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1987 Census of Construction Industries

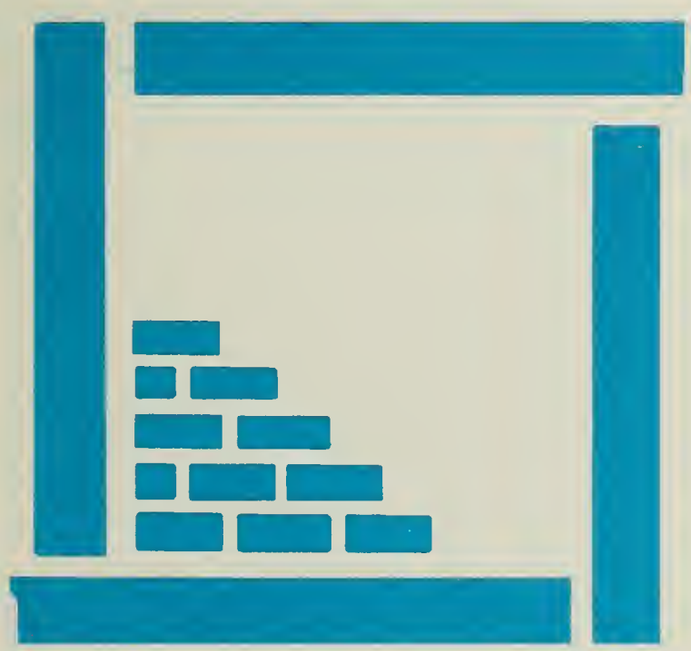
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GEOGRAPHIC AREA SERIES

South Atlantic States

Delaware, District of Columbia, Florida,
Georgia, Maryland, North Carolina,
South Carolina, Virginia, West Virginia



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This report was prepared in the Construction Statistics Division. **Barry A. Rappaport,** Assistant Division Chief for Industry Surveys, was responsible for the overall planning, management, and coordination of the census of construction industries. Planning and implementation were under the direction of **A. William Visnansky,** Chief, Census Operations Branch, with primary staff assistance by **Juliana Van Berkum, Barbara J. Hadden, Edward R. Glover, Susan L. Hostetter, Shirley M. Baker,** and **Carolyn J. Stone.** Under the direction of **Jesse Pollock, Edward K. Ricketts** and **Dennis K. Duke** developed the sampling plans and variance and estimation specifications.

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If you have any questions concerning the statistics in this report, call (301) 763-7546.

1987

Census of Construction Industries

CC87-A-5

GEOGRAPHIC AREA SERIES

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Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia

Issued July 1990

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PURPOSE AND USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source of facts about the structure and functioning of the Nation's economy. They provide essential information for government, business, industry, and the general public.

Economic censuses furnish an important part of the framework for such composite measures as the gross national product, input-output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions.

Policy-making agencies of the Federal Government use the data, especially in monitoring economic activity and providing assistance to business.

State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.

Trade associations study trends in their own and competing industries, and keep their members informed of market changes.

Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

AUTHORITY AND SCOPE

Title 13 of the United States Code (sections 131, 191, and 224) directs the Census Bureau to take the economic censuses every 5 years, covering years ending in 2 and 7. The 1987 Economic Censuses consist of the—

Census of Retail Trade
Census of Wholesale Trade
Census of Service Industries
Census of Transportation
Census of Manufactures
Census of Mineral Industries
Census of Construction Industries

Special programs also cover enterprise statistics and minority-owned and women-owned businesses. (The 1987 Census of Agriculture and 1987 Census of Governments are conducted separately.) The next economic censuses are scheduled to be taken in 1993 covering the year 1992.

AVAILABILITY OF THE DATA

The results of each of the economic censuses are available in printed reports, for sale by the U.S. Government Printing Office, and on microfiche, computer tape, compact discs with read-only memory, and flexible diskettes, for sale by the Census Bureau. Order forms for all types of products are available on request from Customer Services, Census Bureau, Washington, DC 20233. A more complete description of publications being issued from this census is on the inside back cover of this document.

Census facts are also widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. Finally, State Data Centers in every State and Business and Industry Data Centers in many States also supply economic census statistics.

WHAT'S NEW IN 1987

Several changes have taken place for the 1987 censuses. Data will be reported on the basis of the newly revised Standard Industrial Classification (SIC) system with selected reports including "bridge tables," linking the old and new classification systems. A new set of metropolitan

areas has been adopted, and more detailed information will be available for businesses with no paid employees. For additional information on these changes, review the subsequent text.

One important change involves receipts of contractors and builders. Prior to 1987, the Census of Construction Industries collected receipts as the primary measure of construction activity. For 1987, the census collected the "value of construction work done" to better measure actual construction activity done during the year. Differences between the two concepts occur when work is done in one year and payment received either from the prior or in the succeeding year. In addition, receipts do not include work a contractor performs for its own account and use.

HISTORICAL INFORMATION

The economic censuses have been taken together as an integrated program at 5-year intervals since 1967, and before that for 1963, 1958, and 1954. Prior to that time, the individual censuses were taken separately at varying intervals.

The economic censuses trace their beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for 1840 and subsequent censuses to include mining and some commercial activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 manufactures census was the first time a census was taken apart from the regular every-10-year population census.

The first census of business was taken in 1930, covering 1929. Initially it covered retail and wholesale trade, and construction industries, but it was broadened in 1933 to include some of the service trades.

The 1954 economic censuses were the first to be fully integrated—providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. These were the first censuses to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records have also been used to provide basic statistics as well for very small firms, reducing or eliminating the need to send them census questionnaires. The Enterprise Statistics Program, which publishes combined data from the economic censuses, was made possible with the implementation of the integrated census program in 1954.

The range of industries covered in the economic censuses has continued to expand. The Census of Construction Industries began on a regular basis in 1967, and the scope of service industries was broadened in 1967, 1977, and 1987. The Census of Transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks. New for 1987 are publications reporting on business establishments engaged in several transportation industries, paralleling the data on establishments in other sectors. This is part of a gradual expansion in coverage of industries previously subjected to government regulation. The Survey of Minority-Owned Business Enterprises was first conducted as a special project in 1969 and was incorporated into the economic censuses in 1972 along with the Survey of Women-Owned Businesses.

Economic censuses have also been taken in Puerto Rico since 1909, in the Virgin Islands and Guam since 1958, and in the Northern Mariana Islands since 1982.

Statistical reports from the 1982 and earlier censuses provide historical figures for the study of long-term time series, and are available in some large libraries. All of the census data published since 1967 are still available for sale on microfiche from the Census Bureau.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

While the censuses provide complete enumerations every 5 years, there are many needs for more frequent data as well. The Census Bureau conducts a number of monthly, quarterly, and annual surveys, the results of which appear in publication series such as Current Construction Reports (building permits, housing starts, and value of new construction put in place), *Current Business Reports* (retail and wholesale trade and service industries), the *Annual Survey of Manufactures, Current Industrial Reports,* and the *Quarterly Financial Report.* Most of these surveys, while providing more frequent observations, yield less kind-of-business and geographic detail than the censuses. The *County Business Patterns* program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1987 Economic Censuses and Related Statistics.* More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1987 Economic Censuses.* Contact Customer Services for information on availability.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1987 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property

into lots as defined in the 1987 Standard Industrial Classification (SIC) Manual.[1] This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

Contract construction—The SIC manual defines construction in three broad types of activity that follow:

1. **Building construction by general contractors or by operative builders**- General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other building projects. Operative builders who build on their own account for sale are also included here. However, investment builders who build structures on their own account for rent are classified in Real Estate.

2. **Heavy construction general contractors**—Heavy construction general contractors are primarily engaged in the construction of highways, bridges, pipelines, sewers and water lines, marine construction, power, and petro-chemical plants and other nonbuilding construction projects. Special trade contractors are classified in heavy construction if they are specifically engaged in the following activities: grading for highway and airport runways; guardrail construction; installation of highway signs; asphalt and concrete construction of roads, highways, streets and public sidewalks; trenching, cable laying; conduit construction; underwater rock removal; pipeline wrapping; or land clearing and leveling.

3. **Construction by other special trade contractors**—These contractors include plumbers, painters, carpenters, electricians, brick layers, roofers, etc. For the most part, they perform their work at the site of construction, although they may also have shops where they perform work incidental to the job site.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others all of the actual construction work or those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

In addition to the industries classified in the SIC manual as Construction, this census also includes one industry classified in the Real Estate area, SIC 6552, Land Subdividers and Developers, Except Cemeteries. These establishments are engaged in subdividing real property into lots and in developing it for sale on their own account.

Each establishment receiving a questionnaire was requested to report the percent of total dollar value of business done for each kind-of-business activity engaged in during 1987. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction work to total business was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities. It is necessary, however, to assign a single industry code to the establishment based on its major activity. Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities. The industry reports, however, do present data on the extent of secondary activities.

A revised edition of the SIC Manual was issued in 1987. Minor modifications were made to three industries in the construction sector: SIC 1611, Highway and Street Construction Contractors, Except Elevated Highways; SIC 1629, Heavy Construction Contractors, N.E.C; and SIC 1771, Concrete Work Special Trade Contractors. The extent of these modifications are explained in the specific texts for those industries. "Bridge tables" are also included showing selected data tabulated using both the previous classification system and the 1987 revision.

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted. With some exceptions, a relatively permanent office is one which has been established for the management of more than one project or job and which is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to estimating, bidding, purchasing, supervising, and operation of the actual construction work being conducted at one or more construction sites. Separate construction reports were not required for each project or construction site.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1987. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

[1] **Standard Industrial Classification Manual: 1987.** For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

If an establishment engaged in construction and one or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1987 value of construction work exceeded the gross receipts from each of its other activities.

Construction businesses with no payroll during 1987 (nonemployers) were not required to file census reports. Tabulation of data for these businesses are based on administrative records and are shown only in U.S. summary publications and the geographic area reports series. Refer to the section on "Sample Design" for details. Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The companies included in the 1987 Census of Construction Industries were identified as part of an operation common to all 1987 Economic Censuses. Construction companies were divided into employers (companies with payroll) and nonemployers (companies without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government.

Employer Companies

Developing the sampling frame for employer companies—This operation started with obtaining a list of all construction companies in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of companies engaged in business activities in the United States. The file contains the name, address, and form of ownership of each company and also indicates whether or not the company is subject to the FICA. Each company in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each company. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative records data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer companies. However, for the 1987 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those companies which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment companies and large single-establishment companies. Thus, the 1987 Economic Census list for single-establishment employer companies was obtained from the IRS-SSA, but the list of establishments of multiestablishment employer companies was obtained directly from those companies in the COS. Refer to the section on "Establishment Basis for Reporting" for details.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a company to the proper economic census, but there were a number of companies for which this information was inadequate or unavailable. A special form, NC-9923, General Schedule, was mailed to all such companies, requesting information on the nature of the company's activities. From the information reported, the company was given an industrial classification code and assigned to the appropriate economic census. Since construction companies found in this way were identified only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

Selecting the employer sample—The sample was designed to provide reliable State and metropolitan area estimates for each construction industry. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with estimated total employment of 20 employees or more, and a probability sample of single-establishment companies with estimated employment of fewer than 20 employees.

Supplementing the sample were construction companies identified from the NC-9923, General Schedule. Also affecting the sample were the misclassified companies; i.e., companies included in the samples of other trade areas which reported they were construction companies and companies originally classified in construction which reported they were not construction companies.

Of the 533,000 single-establishment employer companies initially classified as construction companies, 147,000 were included in the sample. All of the 13,000 establishments of multiestablishment companies were included in the sample. There was a net increase in the sample of 60,000 establishments resulting from establishments originally unclassified (receiving the NC-9923) or misclassified.

The probability sample of the smaller single-establishment companies was a stratified random sample. Strata were formed from all establishments with the same initial four-digit SIC code, in the same State, in the same metropolitan

area or in the balance of the State, and in the same size class based on estimated total employment. If the four-digit SIC code for an establishment was incomplete, the establishment was placed in a stratum for miscellaneous companies. Because they were small, all companies were included in the sample for the following three industries: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

Estimation procedures for 1987 and 1982 data—Since all larger employer companies and some smaller ones were included in the census, sample estimation was required only for the universe of companies not selected with certainty. The published statistics are the totals of the estimates for the sampled companies and the aggregates for the certainty companies. All estimates for 1987 and 1982 published here are simple unbiased estimates of the form:

$$x'_c = \sum_{i=1}^{n_c} x_i / p_i$$

where: x'_c is the simple unbiased estimate of a characteristic for a publication cell.

x_i is the reported value of a characteristic for an individual establishment in the publication cell.

p_i is the selection probability of that firm.

n_c is the number of firms in the sample for the cell.

Data for certain characteristics were reported as a percentage of the dollar value of business done. Before this formula was applied to those characteristics, it was necessary to convert the reported percentages into dollars.

Reliability of employer statistics—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimated directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Relative standard errors have been calculated for all of the published statistics, although they are shown for each statistic only in the tables presenting detailed statistics. Other tables show relative standard errors only for certain characteristics because of lack of space.

As calculated for this report, the relative standard error measures certain nonsampling errors, but does not measure any systematic biases in the data. Bias is the difference, averaged over all possible samples with the same size and design, between the estimates and the true value being estimated. Nonsampling errors can be attributed to many sources: inability to obtain information about all cases in the sample; definitional difficulties; differences in interpretation of questions; inability or unwillingness of respondents to provide correct information; and errors made in processing the data. Although no direct measurements of the biases have been obtained, it is believed that most of the important response and operational errors were detected in the course of reviewing the data for reasonableness and consistency.

A potential source of bias is in the imputation for those establishments that have not responded by the time of final publication. Data were estimated for establishments that did not report by that date, although selected establishments were contacted again to obtain as much information on the telephone as possible. Some publication cells in which more than 40 percent of the data were not reported have been suppressed.

Nonemployer Companies

As described earlier, the information derived from the business income tax returns of all companies was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with companies without payroll were treated as nonemployers. The nonemployer construction companies were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts", referred to in the tables as "dollar value of business done", was based on receipts information reported on the tax return.

Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

CENSUS REPORT FORMS

Information for the 1987 Census of Construction Industries was obtained from employer establishments primarily through the use of twenty-four questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the following SIC groups: 15, 16, 171, 172, 173, 174, 175, 176, 177, 178, and 179 and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted some of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were elicited from construction trade associations and appropriate advisory groups. The Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1987 census report forms were mailed out in December 1987. They were mailed from and returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished. Collection of these report forms was essentially completed in July 1988.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters near Washington, DC.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding), and imputation for missing items or for reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

GEOGRAPHIC CLASSIFICATION

Information for the 1987 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. A separate code was assigned on each basis allowing us to present data by both physical locations of the establishment and location of construction work.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected MSA's, CMSA's and PMSA's.

DUPLICATION IN VALUE OF CONSTRUCTION WORK

The aggregate of value of construction work reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work of one firm may be subcontracted to other construction firms and also be included in the subcontractors' value of construction work. To avoid this duplication, a "net" value of construction work figure has been derived for each establishment by subtracting the costs for construction work subcontracted to others from the value of construction work.

Duplication in value of business between other construction and nonconstruction industries, results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is defined in the 1987 Census of Construction Industries as equal to dollar value of business done less costs for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, land receipts are also subtracted from dollar value of business done.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1987 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, DC, 20233.

To discuss a special tabulation before submitting specifications, call 301-763-7546.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1987 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas the construction census figures cover both new construction and maintenance and repair work done by establishments classified in the construction industry. Significant amounts of construction are done by establishments classified outside of construction (in real estate, manufacturing, utilities and communications, for example), both as "force account" construction and construction done for others. In addition, the value in place series includes construction-related expenses such as architectural and engineering costs and the costs of materials supplied by owners which are normally not reflected in the Census of Construction.

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

*	Sampling error exceeds 40 percent.
**	Represents the sum of all employees during pay periods including 12th of March, May, August, and November, divided by 4.
-	Represents zero.
†	Represents value of construction work less costs for construction work subcontracted to others. (See Duplication in Value of Construction Work.)
††	Represents dollar value of business done less costs for construction work subcontracted to others, and costs for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from dollar value of business done. (See Duplication in Value of Construction Work.)
(D)	Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA)	Not available.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate, associated relative standard error, or a consistency review.
(W)	Greater than zero but less than 1 percent.
(X)	Not applicable.
n.s.k.	Not specified by kind.

Users' Guide for Locating Statistics in This Report by Table Number

Statistics	By State	By Industry	By employment size	By size class of the dollar value of business done	By type, class, ownership, kind of business, and location of construction[1]	By CMSA, PMSA, and MSA[2]
Assets and depreciation (gross book value):						
Beginning of year—buildings, machinery and equipment	5					
End of year—total	3, 5	3	7	8		
End of year—buildings, machinery and equipment	5					
Depreciation charges during year—buildings, machinery and equipment	5					
Capital expenditures:						
Total capital expenditures	3, 5	3	7	8		12
New buildings—machinery and equipment	5					
Used buildings—machinery and equipment	5					
Communication services, payments for	4					
Employees:						
All employees—average number	3	3	7	8		12
Construction workers—average number	3, 4, 10	3, 10				
Other employees—average number	4					
Employer costs for fringe benefits—legally required and voluntary expenditures	4					
Establishments:						
Number in business at end of year	4					
Number in business during year:						
All		1		2		
With payroll	3, 4, 6, 10	1, 3, 10	7	2, 8		12
Without payroll		1		2		
Hours—construction workers:						
Total	3, 4, 10	3, 10	7	8		
Quarterly	4, 10	10				
Inventories	6					
Materials, components, supplies, and fuels—payments for	3, 4	3	7	8		12
Payroll:						
First quarter, all employees	4					
Annual:						
All employees	3, 4	3	7	8		12
Construction workers	3, 4	3				
Other employees	4					
Power, fuels, and lubricants—payments for	4					
Proprietors and working partners:						
All establishments		1		2		
Establishments with payroll	4	1		2		
Establishsments without payroll		1		2		
Ratios, industry	11	11				
Receipts:						
Dollar value of business done:						
All establishments		1		2		
Establishments with payroll	4	1	7	2, 8		
Establishments without payroll		1		2		
Value of construction work, total	3, 4, 6	3	7	8	4, 9,	12
For work subscontracted in from others	4					
Other business receipts	4					
Land receipts[3]	4					
Net value of construction work	3, 4	3	7	8		12
Value added	3, 4	3	7	8		12
Rental payments:						
Total	3, 4	3	7	8		
For machinery and equipment	4					
For buildings	4					
Repairs to buildings and other structures	4					
Repairs to machinery and equipment	4					
Subcontract work to others, payments for	3, 4	3	7	8	12	

Note: Data for 1982 and earlier years are also available in some of these tables.

[1]Type—buildings, roads, etc. Class—new construction; additions, alterations, or reconstruction; or maintenance and repair work. Ownership—private or government owned.

[2]CMSA—Consolidated metropolitan statistical area; PMSA—Primary metropolitan statistical area; MSA—Metropolitan Statistical area.

[3]Land receipts are shown separately for SIC's 1531 and 6552 only.

REGIONS AND CENSUS DIVISIONS OF THE UNITED STATES



U.S. DEPARTMENT OF COMMERCE
Bureau of the Census

* The Midwest Region was designated as the North Central Region until June 1984.

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Delaware

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Delaware. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 5,427 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $2.0 billion in total value of business done.

Most of the 5,427 construction establishments were small. Of the total, 3,533 were nonemployers, and over half of the employer establishments had less than 5 employees. The 903 construction establishments with 5 employees or more, while representing only 17 percent of all establishments, accounted for more than 79 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $1.8 billion on total dollar value of business done. Of this amount, $1.7 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $420 million, leaving net value of construction work of $1.3 billion. In addition, these establishments paid out $586 million for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $791 million. (See Introduction and appendixes for explanation of terms.)

There were 1,894 establishments with total employment averaging 19,728 during the year. Total payroll for 1987 was $409 million. Total hours worked by construction workers during the year were 27.0 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 3,533 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $263 million. Most of these establishments, about 70 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

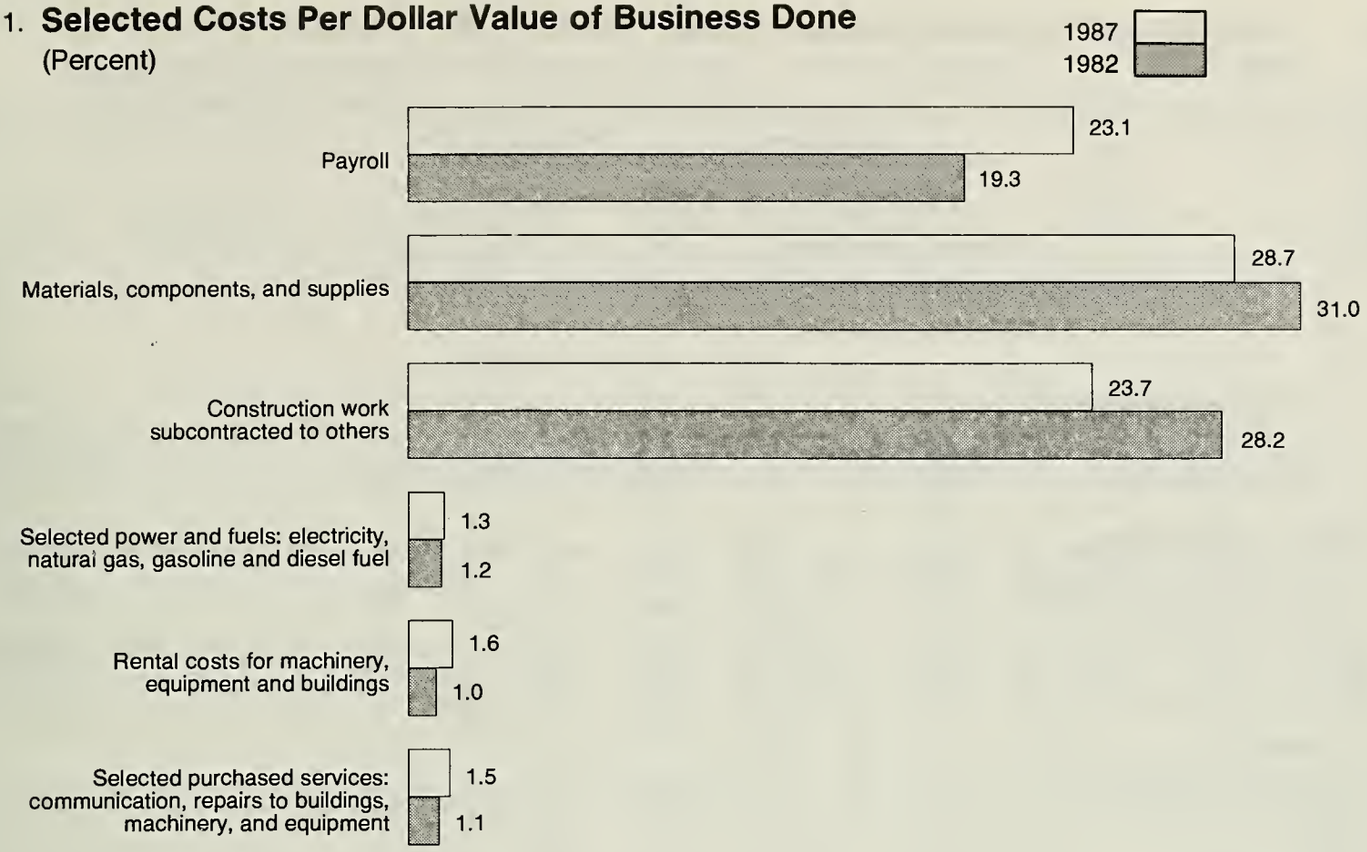


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

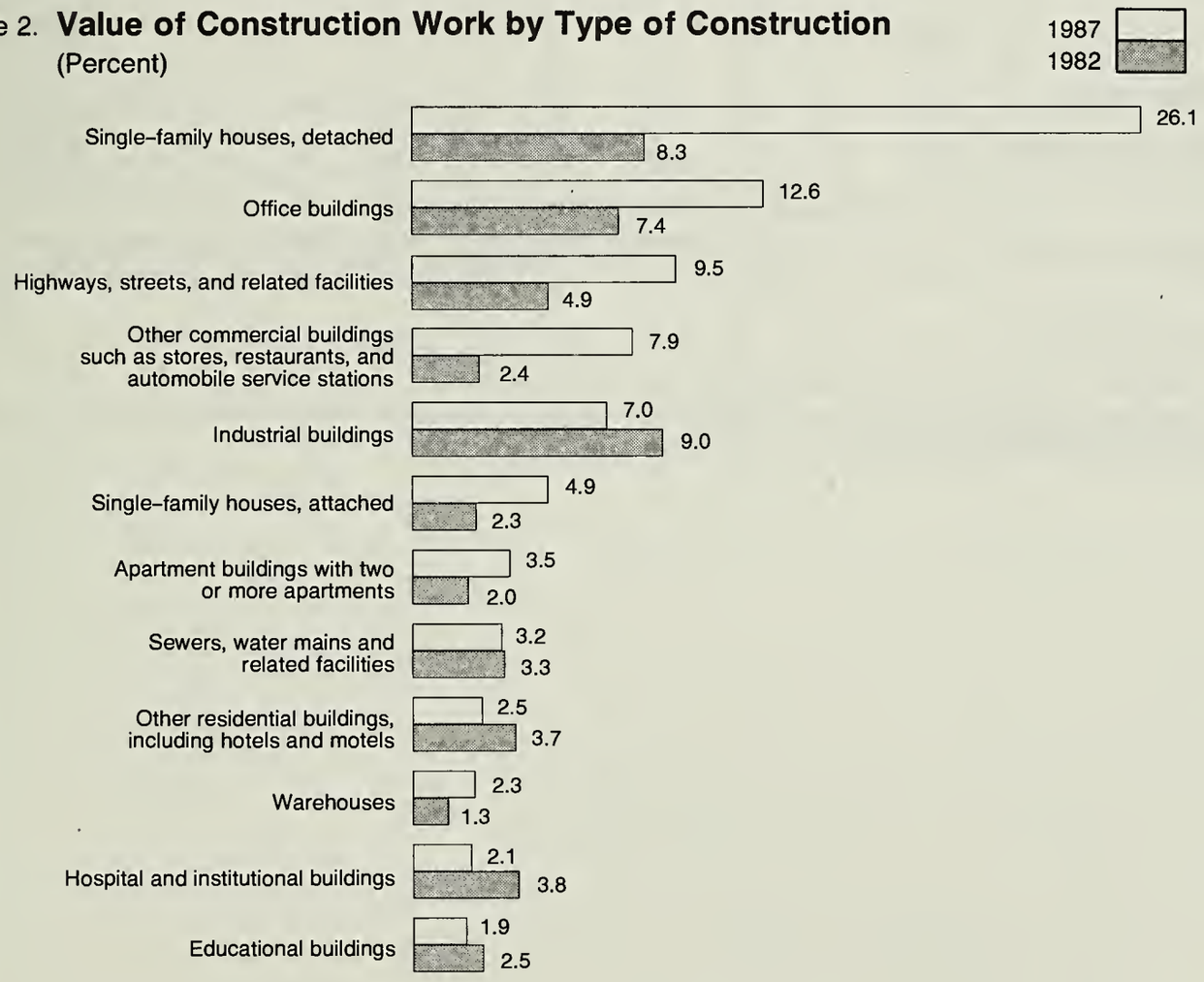


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	**5 427**	**3 788**	**19 728**	**2 036 295**	**3 533**	**3 406**	**263 140**	**1 894**	**382**	**19 728**	**1 773 155**	**1**	**2**
15, 16, 17	**Construction industries**	**5 235**	**3 601**	**19 653**	**1 914 639**	**3 368**	**3 226**	**174 168**	**1 867**	**375**	**19 653**	**1 740 471**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**1 520**	**861**	**5 141**	**752 041**	**858**	**749**	**90 829**	**662**	**112**	**5 141**	**661 212**	**5**	**4**
16	**Heavy construction other than building construction— contractors**	**107**	**27**	**3 677**	**332 255**	**26**	**26**	**873**	**81**	**1**	**3 677**	**331 382**	**3**	**2**
17	**Special trade contractors**	**3 608**	**2 713**	**10 835**	**830 343**	**2 484**	**2 451**	**82 466**	**1 124**	**262**	**10 835**	**747 877**	**3**	**3**
1711	Plumbing, heating, and air-conditioning	451	239	2 658	209 244	194	182	7 353	257	57	2 658	201 891	4	5
1731	Electrical work	372	257	1 622	118 074	217	216	9 087	155	41	1 622	108 987	4	6
6552	**Land subdividers and developers, n.e.c.[2]**	**181**	**185**	**64**	**121 648**	**165**	**180**	**88 973**	**16**	**5**	**64**	**32 675**	**19**	**2**
	1982													
	Construction industries and land subdividers and developers	**3 420**	**2 376**	**15 618**	**1 637 074**	**2 029**	**2 005**	**106 625**	**1 391**	**371**	**15 618**	**1 530 449**	**2**	**1**
15, 16, 17	**Construction industries**	**3 344**	**2 302**	**15 614**	**1 618 949**	**1 956**	**1 932**	**88 503**	**1 388**	**370**	**15 614**	**1 530 446**	**2**	**1**
15	**Building construction—General contractors and operative builders**	**833**	**504**	**3 001**	**324 280**	**448**	**424**	**32 686**	**385**	**80**	**3 001**	**291 594**	**6**	**5**
16	**Heavy construction other than building construction— contractors**	**143**	**72**	**3 110**	**784 938**	**58**	**54**	**6 224**	**85**	**18**	**3 110**	**778 714**	**2**	**1**
17	**Special trade contractors**	**2 368**	**1 726**	**9 503**	**509 731**	**1 450**	**1 454**	**49 593**	**918**	**272**	**9 503**	**460 138**	**3**	**2**
1711	Plumbing, heating, and air-conditioning	340	172	3 351	160 905	137	133	6 143	203	39	3 351	154 762	3	3
1731	Electrical work	271	191	1 256	64 796	137	139	3 313	134	52	1 256	61 483	11	9
6552	**Land subdividers and developers, n.e.c.[2]**	**73**	**73**	**-**	**18 122**	**73**	**73**	**18 122**	**-**	**-**	**-**	**-**	**-**	**-**

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**5 427**	**3 788**	**19 728**	**2 036 295**	3 533	3 406	**263 140**	**1 894**	**382**	**19 728**	**1 773 155**	**1**	**2**
$10,000,000 or more	30	–	3 889	(D)	1	–	(D)	29	–	3 889	547 315	(W)	(W)
$5,000,000 to $9,999,999	42	10	2 295	863 669	5	4	44 257	37	(S)	2 295	272 097	1	8
$2,500,000 to $4,999,999	80	9	2 615	275 146	9	6	29 920	71	(S)	2 615	245 226	3	7
$1,000,000 to $2,499,999	238	25	4 105	362 348	19	17	32 882	219	8	4 105	329 466	5	7
$500,000 to $999,999	(S)	(S)	(S)	(S)	32	23	21 631	(S)	(S)	(S)	(S)	(S)	(S)
$250,000 to $499,999	(S)	(S)	(S)	(S)	74	64	24 917	(S)	(S)	(S)	(S)	(S)	(S)
$100,000 to $249,999	(S)	(S)	(S)	(S)	243	226	37 156	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	459	439	32 301	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	583	557	20 991	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	2 108	2 070	19 084	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	836	812	13 692	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	484	485	3 601	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	325	318	1 201	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	463	455	589	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	**3 420**	**2 376**	**15 618**	**1 637 074**	**2 029**	**2 005**	**106 625**	**1 391**	**371**	**15 618**	**1 530 449**	**2**	**1**
$10,000,000 or more	18	2	4 622	(D)	1	2	(D)	17	–	4 622	(D)	(W)	(D)
$5,000,000 to $9,999,999	17	4	1 464	(D)	1	2	(D)	16	2	1 464	(D)	(W)	(D)
$2,500,000 to $4,999,999	39	6	1 380	1 170 373	3	4	30 802	36	2	1 380	1 139 553	(W)	(W)
$1,000,000 to $2,499,999	108	12	2 567	172 344	9	6	11 943	99	*6	2 567	160 401	6	9
$500,000 to $999,999	140	14	1 596	96 501	9	6	5 410	131	*8	1 596	91 091	9	11
$250,000 to $499,999	178	56	1 267	64 469	25	27	8 231	153	29	1 267	56 238	11	11
$100,000 to $249,999	438	189	1 490	68 078	89	83	13 005	349	106	1 490	55 073	12	10
$50,000 to $99,999	524	345	769	36 614	213	212	15 011	311	133	769	21 603	12	10
$25,000 to $49,999	436	340	280	15 499	313	312	10 834	123	28	280	4 665	25	17
Less than $25,000	1 521	1 407	182	13 195	1 366	1 351	11 371	155	56	182	1 824	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	511	508	7 992	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	337	339	2 283	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	304	297	882	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	214	207	214	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**1 894**	**19 728**	**15 904**	**409 170**	**304 509**	**27 028**	**1 697 841**	**1 277 477**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	425	2 326	1 861	35 266	25 760	3 034	208 310	144 903
1522	Other residential buildings	53	510	260	7 971	3 876	436	48 994	21 091
1531	Operative builders	102	748	448	16 365	6 798	719	143 834	69 895
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	30	427	314	7 876	5 622	501	41 939	26 880
1542	Nonresidential buildings, n.e.c.	52	1 130	835	25 537	16 805	1 534	179 836	71 040
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	40	1 666	1 401	36 234	27 111	2 479	178 818	131 766
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	*3	*46	*32	1 599	*878	(S)	(D)	*5 892
1623	Water, sewer, and utility lines	12	970	837	17 859	14 887	1 540	56 613	45 766
1629	Heavy construction, n.e.c.	26	995	874	36 037	32 505	1 810	76 811	73 282
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	257	2 658	2 115	57 730	42 139	4 004	197 689	175 144
1721	Painting and paper hanging	94	462	404	9 582	7 041	518	25 393	23 822
1731	Electrical work	155	1 622	1 281	37 490	27 860	2 116	108 491	106 036
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	135	1 202	1 060	20 664	16 615	1 541	61 745	58 429
1742	Plastering, drywall, and insulation work	61	863	718	16 979	12 529	1 220	47 127	44 772
1743	Terrazzo, tile, marble, and mosaic work	10	50	42	(D)	1 031	87	(D)	4 485
175	Carpentry and floor work:								
1751	Carpentry	94	437	378	6 599	5 141	566	24 293	20 138
1752	Floor laying and other floor work	*28	137	104	2 540	1 701	142	7 517	7 351
1761	Roofing, siding, and sheet metal work	92	800	645	15 623	11 369	1 050	51 477	48 160
1771	Concrete work	56	931	844	19 738	16 460	1 343	80 113	68 236
1781	Water well drilling	19	133	104	2 573	1 929	*237	11 483	11 059
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	15	314	278	6 752	6 179	432	24 216	23 796
1793	Glass and glazing work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	24	598	548	13 081	11 026	788	(D)	49 650
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	19	252	201	6 090	4 718	388	18 740	17 638
1799	Special trade contractors, n.e.c.	61	349	278	5 826	3 971	432	20 388	17 069
6552	**Land subdividers and developers, n.e.c.**	16	64	*14	1 142	*185	*32	17 734	*9 880

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
790 909	**531 876**	**420 364**	**27 577**	**43 290**	**258 945**	**15 618**	**1 497 170**	**602 031**	**1**	**2**	**5**	
												15, 16, 17
												15
												152
79 387	67 856	63 406	1 699	3 325	15 591	1 105	65 951	30 583	9	9	24	1521
15 676	10 632	27 903	164	*782	10 262	211	15 586	5 053	20	24	60	1522
26 149	49 419	73 939	413	3 393	14 418	385	39 080	13 332	14	12	7	1531
												154
15 859	(D)	15 059	537	(D)	3 047	626	65 673	17 266	11	3	(D)	1541
45 675	30 519	108 796	1 107	1 190	8 024	674	98 753	22 270	6	4	12	1542
												16
70 430	69 169	47 052	5 842	6 427	56 272	1 078	92 006	61 327	4	3	10	1611
												162
*3 339	2 552	(D)	(S)	(S)	(S)	(D)	(D)	(D)	44	45	(S)	1622
33 831	(D)	10 847	772	5 689	25 838	645	33 545	22 827	3	3	5	1623
52 633	22 109	3 528	2 051	803	9 267	1 367	(D)	(D)	3	3	21	1629
												17
104 334	75 012	22 545	2 813	5 660	26 320	3 351	153 302	108 739	4	3	23	1711
19 352	(D)	1 570	98	*364	1 611	361	11 016	7 875	8	22	63	1721
66 166	40 367	2 454	1 390	1 447	9 382	1 256	61 302	39 698	4	3	23	1731
												174
37 803	20 693	3 316	450	1 710	8 267	792	26 124	15 822	10	10	18	1741
28 470	(D)	2 354	733	1 468	4 528	592	28 688	16 371	8	7	23	1742
2 731	1 754	(D)	(D)	(D)	250	61	3 078	1 942	(W)	2	(D)	1743
												175
13 823	7 059	4 155	164	*375	1 697	410	17 231	8 310	11	9	59	1751
4 220	*3 242	166	137	(S)	475	91	3 838	2 239	27	27	(S)	1752
32 159	(D)	3 317	739	1 180	6 283	874	45 020	26 395	10	13	40	1761
41 206	27 348	11 876	1 731	2 741	11 907	605	40 384	22 158	10	8	28	1771
6 785	(D)	424	*146	271	*6 663	50	2 197	1 477	25	31	23	1781
												179
17 217	(D)	420	210	532	5 657	150	(D)	(D)	9	3	24	1791
(D)	(D)	(D)	(D)	(D)	(D)	(S)	(S)	(S)	(D)	(D)	(D)	1793
34 117	16 405	(D)	(D)	3 728	15 066	409	23 529	15 795	3	3	8	1794
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1795
12 284	(D)	1 102	208	186	1 534	154	8 620	4 935	2	2	4	1796
13 413	4 793	3 318	322	466	4 162	297	11 829	7 381	21	19	36	1799
*13 095	*1 093	*7 853	27	16	*10 253	-	-	-	19	61	40	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbrevietions and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during yeer	1 894	1 391	1 583	1 471	2	4	6	6
Proprietors and working partners	382	371	682	803	12	9	11	11
All employees**	19 728	15 618	17 826	18 984	1	2	2	2
Construction workers:								
March	14 182	11 924	13 746	14 611	2	2	2	3
May	15 766	13 880	14 446	15 794	2	2	2	3
August	17 213	13 378	16 146	17 724	2	2	3	3
November	16 456	12 734	14 800	16 356	2	2	2	3
Average	15 904	13 086	14 794	16 246	2	2	2	3
Other employees:								
March	3 837	2 532	3 013	2 575	3	3	2	2
May	3 752	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
August	3 881	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
November	3 824	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Average	3 824	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	5 651	5 157	(NA)	(NA)	2	2	(NA)	(NA)
April to June	6 749	6 117	(NA)	(NA)	2	2	(NA)	(NA)
July to September	7 386	6 067	(NA)	(NA)	2	2	(NA)	(NA)
October to December	7 241	5 738	(NA)	(NA)	2	2	(NA)	(NA)
Total hours worked	27 028	23 080	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	409 170	296 027	246 869	185 092	1	2	1	2
Payroll, construction workers	304 509	245 224	194 773	151 573	1	1	2	2
Payroll, other employees	104 660	50 803	52 096	33 519	2	2	2	2
First quarter payroll, all employees	81 981	67 274	53 966	(NA)	2	1	1	(NA)
Employer costs for fringe benefits, all employees	87 290	55 597	46 592	(NA)	2	2	1	(NA)
Legally required expenditures	59 149	36 990	21 666	(NA)	2	2	2	(NA)
Voluntary expenditures	28 141	18 607	24 925	(NA)	2	2	1	(NA)
Dollar value of business done	1 773 155	1 530 449	1 090 402	862 671	2	1	1	2
Value of construction work[1]	1 697 841	1 497 170	1 067 681	839 568	2	1	1	2
Value of construction work subcontracted in from others	439 214	233 465	198 204	128 335	3	11	(W)	(W)
Land receipts[2]	30 055	3 998	(NA)	(NA)	23	4	(NA)	(NA)
Other business receipts	45 259	29 281	22 721	23 103	7	2	12	2
Net value of construction†	1 277 477	1 065 262	746 787	598 331	2	1	1	2
Value added††	790 909	602 031	402 371	324 388	2	2	1	2
Selected costs	952 191	924 420	681 388	530 828	2	1	1	2
Materials, components, and supplies[3]	509 363	474 638	346 534	289 591	2	1	1	2
Construction work subcontracted to others	420 364	431 908	320 895	241 237	3	1	1	2
Selected power, fuels, and lubricants	22 463	17 873	13 959	(NA)	2	3	2	(NA)
Electricity	3 306	2 369	1 833	(NA)	3	3	4	(NA)
Natural gas	491	413	301	(NA)	4	15	14	(NA)
Gasoline and diesel fuel	17 327	14 038	8 238	(NA)	2	3	3	(NA)
On highway use	13 824	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Off highway use	3 503	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	1 337	1 052	3 587	(NA)	6	7	2	(NA)
Rental cost for machinery, equipment, and buildings	27 577	15 132	8 508	(NA)	2	2	1	(NA)
For machinery and equipment	20 713	9 973	7 202	5 776	2	2	1	2
For buildings	6 864	5 159	1 306	(NA)	6	3	5	(NA)
Selected purchased services	26 350	17 106	11 970	(NA)	3	3	2	(NA)
Communication services	5 333	3 935	3 131	(NA)	3	4	3	(NA)
Repairs to buildings and other structures	1 747	1 219	1 093	(NA)	6	4	6	(NA)
Repairs to machinery and equipment	19 269	11 952	7 747	(NA)	4	4	2	(NA)
Ownership of construction projects:								
Value of construction work	1 697 841	1 497 170	1 067 681	839 568	2	1	1	2
Government owned	296 443	246 454	148 733	206 293	5	6	1	2
Federal	53 859	(NA)	(NA)	(NA)	10	(NA)	(NA)	(NA)
State and local	242 584	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Privately owned	1 401 397	1 250 716	918 948	633 275	2	2	1	2

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers end Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	228 947	208 968	5	3
Capital expenditures, other than land	43 290	17 989	5	4
New	36 509	14 955	4	5
Used	6 780	3 034	20	7
Retirements and disposition of depreciable assets	13 292	8 473	24	5
End-of-year gross book value of depreciable assets	258 945	218 485	4	3
Depreciation charges during year	29 763	23 074	5	4
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	49 021	59 820	11	4
Capital expenditures, other than land	7 792	2 315	10	14
New buildings and other structures	5 809	2 221	6	14
Used buildings and other structures	1 982	94	34	32
Retirements and disposition of depreciable assets	*4 261	594	64	9
End-of-year gross book value of depreciable assets	52 553	61 541	9	5
Depreciation charges during year	4 113	2 919	7	9
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	179 925	149 148	4	3
Capital expenditures, other than land	35 497	15 674	5	4
New machinery and equipment, including automobiles and trucks	30 699	12 734	4	4
New automobiles and trucks, intended primarily for highway use	14 746	5 624	6	8
Used machinery and equipment, including automobiles and trucks	4 797	2 939	19	7
Retirements and disposition of depreciable assets	9 030	7 878	18	6
End-of-year gross book value of depreciable assets	206 392	156 944	4	3
Depreciation charges during year	25 650	20 155	5	5

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	1 894	2
Value of construction work	1 697 841	2
Establishments with inventories:		
Number	601	8
Value of construction work	734 121	4
Inventories[1]:		
End of 1987, materials and supplies	27 908	6
End of 1986, materials and supplies	*55 158	44
Establishments with no inventories:		
Number	897	7
Value of construction work	617 163	3
Establishments not reporting:		
Number	396	12
Value of construction work	346 557	5

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	1 894	(S)	406	288	149	41	15	3	1	-
All employees**	19 728	(S)	2 533	3 849	4 599	2 920	2 174	1 678	(D)	-
Payroll, all employees	409 170	(S)	39 714	70 313	102 078	69 742	49 758	50 452	(D)	-
Construction worker hours (thousands)	27 028	(S)	2 957	5 305	5 698	4 649	2 969	3 093	(D)	-
Dollar value business done	1 773 155	(S)	244 575	297 236	439 811	293 242	184 764	156 401	(D)	-
Value of construction work[1]	1 697 841	(S)	222 968	288 652	421 709	282 755	328 286	(D)	(D)	-
Net value of construction work†	1 277 477	(S)	167 389	221 087	505 167	(D)	140 856	119 765	(D)	-
Value added††	790 909	(S)	106 527	131 560	182 175	132 546	97 075	72 004	(D)	-
Cost of materials, components, supplies, and fuels	531 827	(S)	67 634	95 203	126 313	83 376	104 421	(D)	(D)	-
Cost of construction work subcontracted to others	420 364	(S)	55 579	67 564	199 296	(D)	67 665	(D)	(D)	-
Rental cost for machinery, equipment, and buildings	27 577	(S)	3 658	3 726	3 485	4 340	11 148	(D)	(D)	-
Capital expenditures, other than land	43 290	(S)	4 950	9 054	7 422	9 495	6 824	2 861	(D)	-
End-of-year gross book value of depreciable assets	258 945	(S)	41 329	39 311	39 947	45 977	78 929	(D)	(D)	-
1982										
All employees**	15 618	1 691	1 677	2 406	3 021	1 540	2 298	2 984	(D)	(D)
Value of construction work[1]	1 497 170	75 274	96 175	139 156	199 196	147 525	839 843	(D)	(D)	(D)
Value added††	602 031	36 791	53 921	65 470	99 697	55 103	291 047	(D)	(D)	(D)
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	(S)	9	7	3	(W)	(W)	(W)	(D)	-
Net value of construction work†	2	(S)	9	6	2	(W)	(W)	(W)	(D)	-
Capital expenditures, other than land	5	(S)	27	16	6	(D)	(W)	(W)	(D)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	1 894	(S)	(S)	(S)	(S)	(S)	(S)	219	71	37	29
All employees**	19 728	(S)	(S)	(S)	(S)	(S)	(S)	4 105	2 615	2 295	3 889
Payroll, all employees	409 170	(S)	(S)	(S)	(S)	(S)	(S)	85 123	59 953	53 031	109 062
Construction worker hours (thousands)	27 028	(S)	(S)	(S)	(S)	(S)	(S)	5 111	3 845	3 112	6 234
Dollar value of business done	1 773 155	(S)	(S)	(S)	(S)	(S)	(S)	329 466	245 226	272 097	547 315
Value of construction work[1]	1 697 841	(S)	(S)	(S)	(S)	(S)	(S)	313 265	239 988	247 890	524 157
Net value of construction work†	1 277 477	(S)	(S)	(S)	(S)	(S)	(S)	253 308	182 878	190 398	325 834
Value added††	790 909	(S)	(S)	(S)	(S)	(S)	(S)	159 256	105 679	128 353	196 297
Cost of materials, components, supplies, and fuels	531 827	(S)	(S)	(S)	(S)	(S)	(S)	106 166	79 905	74 816	144 547
Cost of construction work subcontracted to others	420 364	(S)	(S)	(S)	(S)	(S)	(S)	59 956	57 109	57 492	198 323
Rental cost for machinery, equipment, and buildings	27 577	(S)	(S)	(S)	(S)	(S)	(S)	3 592	2 937	3 287	12 747
Capital expenditures, other than land	43 290	(S)	(S)	(S)	(S)	(S)	(S)	6 743	5 148	9 095	10 579
End-of-year gross book value of depreciable assets	258 945	(S)	(S)	(S)	(S)	(S)	(S)	42 353	28 006	59 453	71 596
1982											
All employees**	15 618	(S)	280	769	1 490	1 267	1 596	2 567	1 380	1 464	4 622
Value of construction work[1]	1 497 170	(S)	4 619	21 334	54 488	55 494	89 332	157 814	125 525	104 036	882 715
Value added††	602 031	(S)	2 439	11 764	29 652	30 570	44 905	90 357	53 967	55 402	282 025
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	(S)	(S)	(S)	5	3	1	(W)
Net value of construction work†	2	(S)	(S)	(S)	(S)	(S)	(S)	6	5	3	(W)
Capital expenditures, other than land	5	(S)	(S)	(S)	(S)	(S)	(S)	14	11	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**1 697 841**	**1 106 636**	**303 684**	**215 447**	**2**	**2**	3	3
Building construction	**1 252 252**	**898 269**	**219 707**	**113 489**	**2**	3	**4**	5
Single-family houses	526 704	424 966	59 553	42 184	4	5	12	11
Single-family houses, detached	442 918	352 223	54 737	35 957	5	6	13	12
Single-family houses, attached	83 785	72 742	4 815	6 227	8	8	16	20
Apartment buildings with two or more apartments	59 180	49 746	4 923	4 510	6	7	20	27
Other residential buildings, including hotels and motels	42 059	25 128	13 632	3 298	12	13	22	19
Hotels and motels	21 460	16 449	3 984	1 027	14	19	2	9
Other residential buildings, excluding hotels and motels	20 598	8 679	9 648	2 271	18	16	31	27
Office buildings	213 543	143 932	52 871	16 739	5	8	6	7
Other commercial buildings such as stores, restaurants, and automobile service stations	133 943	98 868	21 511	13 563	4	4	12	15
Industrial buildings and warehouses	158 663	103 946	34 517	20 198	2	2	3	5
Industrial buildings	119 597	74 522	28 750	16 324	2	3	4	5
Warehouses	39 065	29 424	5 767	3 874	2	2	5	14
Religious buildings	11 635	6 222	3 140	2 272	7	4	13	30
Educational buildings	32 388	12 915	13 486	5 987	5	3	6	20
Hospitals and institutional buildings	36 010	23 340	10 713	1 956	2	1	3	7
Other nonresidential buildings	17 342	9 206	5 361	2 782	19	(W)	47	(W)
Land development for buildings	20 785	(NA)	(NA)	(NA)	(W)	(NA)	(NA)	(W)
Nonbuilding construction	**394 300**	**208 366**	**83 976**	**101 957**	**2**	3	**4**	**2**
Highways, streets, and related facilities	160 420	81 033	55 907	23 480	3	2	6	3
Parking areas including private driveways	20 048	12 440	6 018	1 588	8	10	6	16
Bridges, tunnels, and elevated highways	15 457	12 532	1 413	1 510	25	31	2	1
Power and communication transmission lines, towers, and related facilities	22 887	(D)	(D)	6 356	5	(D)	(D)	5
Sewers, water mains, and related facilities	54 627	32 696	3 281	18 649	4	3	8	3
Sewers, sewer lines, and related facilities	19 543	16 617	(D)	(D)	5	3	(D)	(D)
Water mains and related facilities	35 084	16 078	(D)	(D)	3	3	(D)	(D)
Pipeline, other than sewer or water lines	17 877	16 472	(D)	(D)	(W)	(W)	(D)	(D)
Blast furnaces, petroleum refineries, and chemical complexes	13 001	(D)	(D)	(D)	(W)	(D)	(D)	(D)
Power plants	41 861	(D)	(D)	(D)	(W)	(D)	(D)	(D)
Sewage treatment and water treatment plants	13 750	11 225	(D)	(D)	(W)	(W)	(D)	(D)
Other nonbuilding construction	34 372	26 226	3 279	4 837	33	33	48	41
Construction work, n.s.k.	**51 288**	**(NA)**	**(NA)**	**(NA)**	**11**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**1 497 170**	**1 270 244**	**(NA)**	**226 925**	**1**	**1**	**(NA)**	3
Building construction	**607 598**	**499 821**	**(NA)**	**107 776**	**2**	**2**	**(NA)**	**4**
Single-family houses	158 026	123 223	(NA)	34 802	6	7	(NA)	8
Single-family houses, detached	123 914	94 681	(NA)	29 232	7	8	(NA)	9
Single-family houses, attached	34 111	28 542	(NA)	5 569	9	11	(NA)	11
Apartment buildings with two or more apartments	29 837	20 677	(NA)	9 160	10	10	(NA)	22
Other residential buildings, including hotels and motels	5 517	3 499	(NA)	2 017	10	9	(NA)	16
Office buildings	110 712	96 977	(NA)	13 735	4	5	(NA)	6
Other commercial buildings such as stores, restaurants, and automobile service stations	35 907	30 772	(NA)	5 135	4	3	(NA)	9
Industrial buildings and warehouses	153 574	127 817	(NA)	25 757	4	3	(NA)	7
Industrial buildings	134 756	113 264	(NA)	21 492	4	4	(NA)	8
Warehouses	18 818	14 553	(NA)	4 264	8	7	(NA)	10
Religious buildings	9 961	4 577	(NA)	5 384	3	6	(NA)	3
Educational buildings	37 903	32 849	(NA)	5 054	12	14	(NA)	3
Hospitals and institutional buildings	56 708	51 812	(NA)	4 895	1	(W)	(NA)	14
Amusement, social, and recreational buildings	3 409	2 480	(NA)	928	8	9	(NA)	19
Other nonresidential buildings	9 453	7 618	(NA)	1 837	31	33	(NA)	18
Nonbuilding construction	**783 371**	**684 864**	**(NA)**	**98 506**	**1**	**1**	**(NA)**	**2**
Highways, streets, and related facilities	73 079	50 520	(NA)	22 559	6	6	(NA)	10
Bridges, tunnels, and elevated highways	29 774	26 010	(NA)	3 764	(W)	(W)	(NA)	(W)
Power and communication transmission lines, towers, and related facilities	12 525	(D)	(NA)	(D)	(W)	(D)	(NA)	(D)
Sewers, water mains, and related facilities	50 025	48 051	(NA)	1 973	4	4	(NA)	12
Sewers, sewer lines, and related facilities	32 114	31 016	(NA)	1 098	7	6	(NA)	20
Water mains and related facilities	17 910	17 034	(NA)	875	1	1	(NA)	11
Heavy industrial facilities	571 139	(D)	(NA)	(D)	(W)	(D)	(NA)	(D)
Sewage treatment and water treatment plants	25 894	(D)	(NA)	(D)	5	(D)	(NA)	(D)
Other nonbuilding construction	20 935	13 009	(NA)	7 926	27	33	(NA)	19
Construction work, n.s.k.	**106 200**	**85 558**	**(NA)**	**20 642**	3	**4**	**(NA)**	4

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**1 894**	**15 904**	**27 028**	**14 182**	**5 651**	**15 766**	**6 749**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	425	1 861	3 034	1 698	693	1 843	768
1522	Other residential buildings	53	260	436	250	94	256	100
1531	Operative builders	102	448	719	414	154	443	176
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	30	314	501	296	112	317	124
1542	Nonresidential buildings, n.e.c.	52	835	1 534	725	324	807	377
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	40	1 401	2 479	997	347	1 452	620
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	*3	*32	(S)	*25	(S)	*32	(S)
1623	Water, sewer, and utility lines	12	837	1 540	650	298	821	365
1629	Heavy construction, n.e.c.	26	874	1 810	751	357	799	423
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	257	2 115	4 004	2 045	921	2 032	976
1721	Painting and paper hanging	94	404	518	357	108	415	135
1731	Electrical work	155	1 281	2 116	1 244	506	1 262	529
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	135	1 060	1 541	1 002	316	1 035	383
1742	Plastering, drywall, and insulation work	61	718	1 220	704	286	699	296
1743	Terrazzo, tile, marble, and mosaic work	10	42	87	42	21	43	22
175	Carpentry and floor work:							
1751	Carpentry	94	378	566	365	134	399	152
1752	Floor laying and other floor work	*28	104	142	108	28	100	35
1761	Roofing, siding, and sheet metal work	92	645	1 050	600	225	636	271
1771	Concrete work	56	844	1 343	608	200	890	356
1781	Water well drilling	19	104	*237	105	*56	106	*61
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	15	278	432	286	111	292	110
1793	Glass and glazing work	2	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	24	548	788	397	150	557	213
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	19	201	388	230	101	207	99
1799	Special trade contractors, n.e.c.	61	278	432	231	75	282	117
6552	**Land subdividers and developers, n.e.c.**	**16**	***14**	***32**	***22**	***10**	***13**	*9

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
17 213	**7 386**	**16 456**	**7 241**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	
														15, 16, 17
														15
														152
2 095	846	1 807	724	10	13	10	13	10	13	11	14	9	12	1521
274	115	262	126	27	37	27	37	27	36	28	38	27	37	1522
475	200	460	187	14	18	13	19	14	19	15	19	14	18	1531
														154
335	137	309	126	5	13	4	13	7	14	6	14	3	12	1541
927	410	882	421	6	10	5	9	6	10	6	10	7	10	1542
														16
1 594	771	1 561	739	4	3	4	3	4	3	4	4	3	2	1611
														162
														1622
*34	(S)	36	(S)	48	(S)	58	(S)	45	(S)	51	(S)	40	(S)	
985	465	894	410	3	4	4	4	3	4	3	4	3	4	1623
822	398	1 122	631	2	4	2	4	2	5	2	5	2	3	1629
														17
2 159	1 045	2 223	1 060	4	6	4	6	4	6	4	6	4	6	1711
457	143	388	130	9	22	11	23	9	23	9	21	9	23	1721
1 354	543	1 265	537	4	7	4	8	5	8	4	7	5	8	1731
														174
														1741
1 122	436	1 080	405	10	12	10	13	10	13	10	12	9	13	
750	323	719	314	7	8	8	8	8	8	7	8	7	8	1742
43	21	42	21	(W)	1	(W)	3	(W)	1	(W)	1	(W)	1	1743
														175
391	149	358	130	11	21	11	22	11	22	12	21	12	20	1751
120	46	88	31	31	23	37	30	34	25	26	18	33	28	1752
659	260	686	292	9	7	9	9	9	9	11	9	11	7	1761
1 007	427	871	358	10	11	12	8	10	14	9	12	10	11	1771
100	*61	105	*58	29	50	36	56	28	48	22	42	28	56	1781
														179
267	104	265	106	8	10	8	10	8	10	9	9	9	10	1791
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1793
623	228	614	196	2	3	2	4	3	4	2	4	2	3	1794
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1795
202	92	165	94	2	1	7	1	(W)	1	(W)	(W)	(W)	1	1796
379	127	220	112	22	22	28	19	22	21	29	22	23	27	1799
***9**	***5**	***10**	*6	**58**	**64**	**64**	67	**60**	66	**42**	**55**	**58**	64	**6552**

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**10.4**	**20.7**	**1 699.4**	**106.8**	**.241**	.313	**.248**	**.016**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	5.5	15.2	1 630.3	111.9	.169	.326	.304	.008
1522	Other residential buildings	9.6	15.6	1 676.9	188.4	.163	.217	.570	.003
1531	Operative builders	7.3	21.9	1 604.9	321.1	.114	.344	.514	.003
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	14.2	18.4	1 595.5	133.6	.188	(D)	.359	.013
1542	Nonresidential buildings, n.e.c.	21.7	22.6	1 837.1	215.4	.142	.170	.605	.006
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	41.6	21.7	1 769.5	127.6	.203	.387	.263	.033
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	*15.3	*34.8	(S)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	80.8	18.4	1 839.9	67.6	.315	(D)	.192	.014
1629	Heavy construction, n.e.c.	38.3	36.2	2 070.9	87.9	.469	.288	.046	.027
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	10.3	21.7	1 893.1	93.5	.292	.379	.114	.014
1721	Painting and paper hanging	4.9	20.7	1 282.2	62.9	.377	(D)	.062	.004
1731	Electrical work	10.5	23.1	1 651.8	84.7	.346	.372	.023	.013
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	8.9	17.2	1 453.8	58.3	.335	.335	.054	.007
1742	Plastering, drywall, and insulation work	14.1	19.7	1 699.2	65.6	.360	(D)	.050	.016
1743	Terrazzo, tile, marble, and mosaic work	5.0	(D)	2 071.4	(D)	(D)	(D)	(D)	(D)
175	Carpentry and floor work:								
1751	Carpentry	4.6	15.1	1 497.4	64.3	.272	.291	.171	.007
1752	Floor laying and other floor work	*4.9	18.5	1 365.4	72.3	.338	.431	.022	.018
1761	Roofing, siding, and sheet metal work	8.7	19.5	1 627.9	79.8	.303	(D)	.064	.014
1771	Concrete work	16.6	21.2	1 591.2	94.9	.246	.341	.148	.022
1781	Water well drilling	7.0	19.3	*2 278.8	110.4	.224	(D)	.037	.013
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	20.9	21.5	1 554.0	87.1	.279	(D)	.017	.009
1793	Glass and glazing work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	24.9	21.9	1 438.0	(D)	(D)	(D)	(D)	(D)
1795	Wrecking and demolition work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	13.3	24.2	1 930.3	93.2	.325	(D)	.059	.011
1799	Special trade contractors, n.e.c.	5.7	16.7	1 554.0	73.3	.286	.235	.163	.016
6552	**Land subdividers and developers, n.e.c.**	**4.0**	**17.8**	***2 285.7**	***1 266.7**	**.064**	***.062**	***.443**	**.002**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	PHILADELPHIA-WILMINGTON-TRENTON, PA-NJ-DE-MD CMSA											
	Construction industries and land subdividers and developers	**12 802**	**132 471**	**3 207 777**	**13 043 124**	**9 732 116**	**6 288 303**	**3 783 122**	**3 311 008**	**240 638**	**1**	**1**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	2 082	9 940	173 152	1 051 393	721 744	407 479	334 092	329 649	13 324	4	5
1522	Other residential buildings	228	1 631	29 263	190 891	100 981	67 741	43 730	89 910	1 804	10	10
1531	Operative builders	341	4 207	107 173	1 130 234	582 370	300 916	302 206	547 864	16 289	4	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	168	2 578	63 437	412 122	226 178	137 310	99 998	185 944	2 938	5	5
1542	Nonresidential buildings, n.e.c.	687	11 284	306 640	2 284 043	962 137	702 396	372 699	1 321 906	13 890	3	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	212	5 692	152 809	685 197	552 328	348 651	227 758	132 869	37 203	4	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	21	997	32 566	170 603	123 738	84 645	(D)	46 865	2 805	2	1
1623	Water, sewer, and utility lines	122	6 189	161 847	437 905	393 011	297 960	(D)	44 894	26 467	2	1
1629	Heavy construction, n.e.c.	203	9 557	323 618	745 718	624 776	410 704	220 234	120 942	15 885	1	2
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	1 729	16 142	425 776	1 403 246	1 253 847	754 345	520 208	149 399	23 256	1	1
1721	Painting and paper hanging	734	4 531	92 084	236 952	223 656	178 325	47 418	13 296	3 786	3	3
1731	Electrical work	1 212	12 020	330 524	896 389	867 406	543 517	337 961	28 983	10 438	2	1
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	597	5 667	119 254	335 410	316 966	210 495	107 078	18 444	6 129	4	3
1742	Plastering, drywall, and insulation work	317	5 891	143 653	418 298	387 236	238 201	153 476	31 062	4 315	4	3
1743	Terrazzo, tile, marble, and mosaic work	106	620	13 091	45 767	44 838	27 264	17 832	930	767	6	4
175	Carpentry and floor work:											
1751	Carpentry	1 044	4 991	90 258	317 539	267 875	169 084	104 269	49 664	3 307	4	5
1752	Floor laying and other floorwork	270	1 555	29 225	112 293	104 101	60 491	48 051	8 192	971	8	7
1761	Roofing, siding, and sheet metal work	839	6 637	129 563	492 062	454 278	281 995	176 886	37 784	7 537	4	5
1771	Concrete work	573	6 612	124 838	452 752	417 815	253 483	168 328	34 937	13 861	5	4
1781	Water well drilling	56	364	7 786	30 160	29 202	18 464	11 272	958	1 163	11	13
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	103	3 362	63 999	188 472	180 713	145 049	45 162	7 759	3 843	3	4
1793	Glass and glazing work	75	829	22 041	73 521	68 412	38 760	34 864	5 109	1 478	10	6
1794	Excavation work	373	3 600	79 974	326 209	294 906	210 727	89 597	31 303	17 494	5	4
1795	Wrecking and demolition work	28	786	12 012	37 718	35 585	35 921	6 124	2 133	1 836	2	2
1796	Installing building equipment, n.e.c.	81	1 977	70 193	170 963	166 702	127 040	40 929	4 261	1 406	3	3
1799	Special trade contractors, n.e.c.	528	4 531	96 840	363 608	310 577	215 471	107 882	53 032	7 414	5	4
6552	**Land subdividers and developers, n.e.c.**	**73**	**281**	**6 163**	33 659	**20 739**	**21 872**	**4 719**	**12 920**	**1 033**	**21**	31
	PHILADELPHIA, PA-NJ PMSA											
	Construction industries and land subdividers and developers	**10 366**	**108 952**	**2 685 354**	**10 782 241**	**8 120 392**	**5 230 625**	**3 108 282**	**2 661 850**	**192 990**	**1**	**1**
	(See appropriate State for SIC detail.)											
	TRENTON, NJ PMSA											
	Construction industries and land subdividers and developers	**712**	5 099	122 896	**647 303**	397 091	289 028	185 361	**250 211**	7 917	**3**	**4**
	(See appropriate State for SIC detail.)											
	VINELAND-MILLVILLE-BRIDGETON, NJ PMSA											
	Construction industries and land subdividers and developers	**376**	2 586	56 324	**227 641**	**176 164**	**114 152**	65 658	51 477	**4 685**	**3**	**3**
	(See appropriate State for SIC detail.)											

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WILMINGTON, DE-NJ-MD PMSA											
	Construction industries and land subdividers and developers	**1 348**	**15 834**	**343 204**	**1 385 939**	**1 038 468**	**654 498**	**423 821**	**347 470**	**35 046**	**2**	**2**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	287	1 565	24 855	150 026	104 697	59 287	46 631	45 329	1 350	10	11
1522	Other residential buildings	27	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1531	Operative builders	59	634	13 767	117 897	55 606	22 548	37 699	62 291	3 204	15	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	20	300	5 801	26 264	17 720	9 356	(D)	8 544	(D)	11	4
1542	Nonresidential buildings, n.e.c.	42	883	20 732	144 526	53 640	35 841	23 110	90 886	618	8	4
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	39	1 486	32 934	152 791	110 855	58 492	59 892	41 936	5 996	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	12	853	16 168	48 091	38 031	28 895	(D)	10 060	5 330	(W)	(W)
1629	Heavy construction, n.e.c.	24	823	32 799	68 549	65 526	47 516	19 279	3 024	1 094	3	2
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	158	1 951	44 169	153 508	133 618	80 079	56 952	19 890	4 555	4	3
1721	Painting and paper hanging	72	486	10 485	26 264	(D)	20 833	(D)	(D)	(D)	6	(D)
1731	Electrical work	109	1 302	31 520	93 629	91 379	56 308	35 529	2 250	933	3	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	89	916	15 643	46 838	43 781	28 422	(D)	3 057	1 012	12	12
1742	Plastering, drywall, and insulation work	42	609	12 283	31 875	30 312	19 932	(D)	1 563	657	11	10
1743	Terrazzo, tile, marble, and mosaic work	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry	84	384	5 814	20 805	17 716	11 784	6 717	3 089	131	13	11
1752	Floor laying and other floorwork	*18	91	1 937	5 257	5 109	3 341	*1 790	148	(S)	12	14
1761	Roofing, siding, and sheet metal work	69	628	12 857	43 342	40 405	26 976	(D)	*2 937	815	11	15
1771	Concrete work	57	907	19 702	75 112	64 113	39 542	(D)	10 999	2 804	9	8
1781	Water well drilling	*14	*63	*1 107	*5 612	(D)	*3 852	*1 923	(D)	75	54	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	16	355	7 608	25 309	24 889	17 133	(D)	420	541	8	3
1793	Glass and glazing work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	31	652	13 940	54 789	51 776	36 080	(D)	3 013	3 780	2	3
1795	Wrecking and demolition work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c.	5	137	4 114	(D)	(D)	9 022	3 513	(D)	14	(W)	(D)
1799	Special trade contractors, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
6552	**Land subdividers and developers, n.e.c.**	***17**	***88**	**1 146**	***18 807**	***9 995**	***12 244**	***2 010**	***8 812**	(S)	**60**	**60**

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for the District of Columbia. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 1,313 establishments in this city operating in the construction industries or as land subdividers and developers. These establishments accounted for $1.5 billion in total value of business done.

Most of the 1,313 construction establishments were small. Of the total, 904 were nonemployers, and almost half of the employer establishments had less than 5 employees. The 252 construction establishments with 5 employees or more, while representing only 19 percent of all establishments, accounted for more than 88 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $1.40 billion on total dollar value of business done. Of this amount, $1.35 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $617 million, leaving net value of construction work of $734 million. In addition, these establishments paid out $282 million for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $500 million. (See Introduction and appendixes for explanation of terms.)

There were 409 establishments with total employment averaging 11,222 during the year. Total payroll for 1987 was $285 million. Total hours worked by construction workers during the year were 14.8 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 904 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $123 million. Most of these establishments, about 69 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

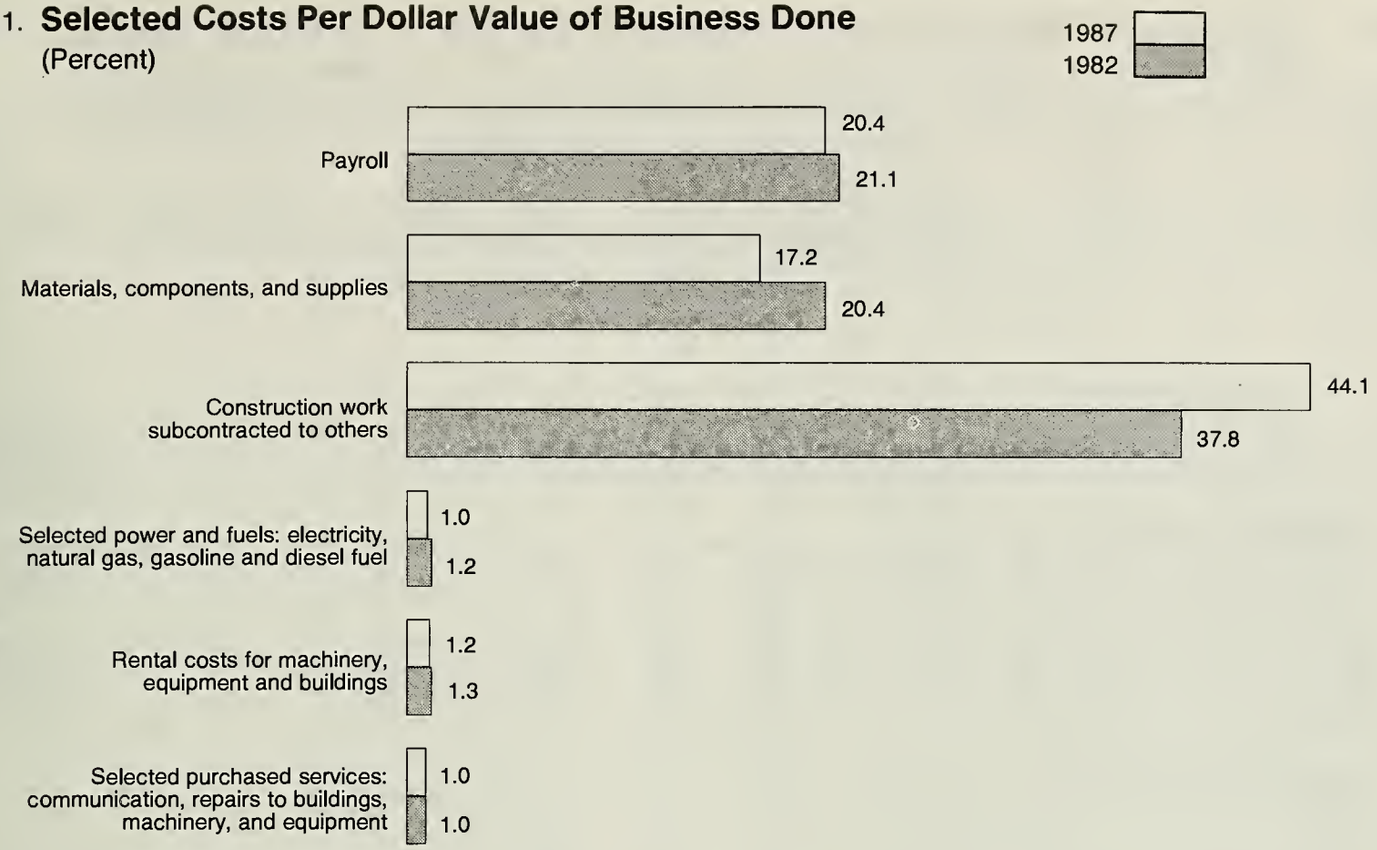


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

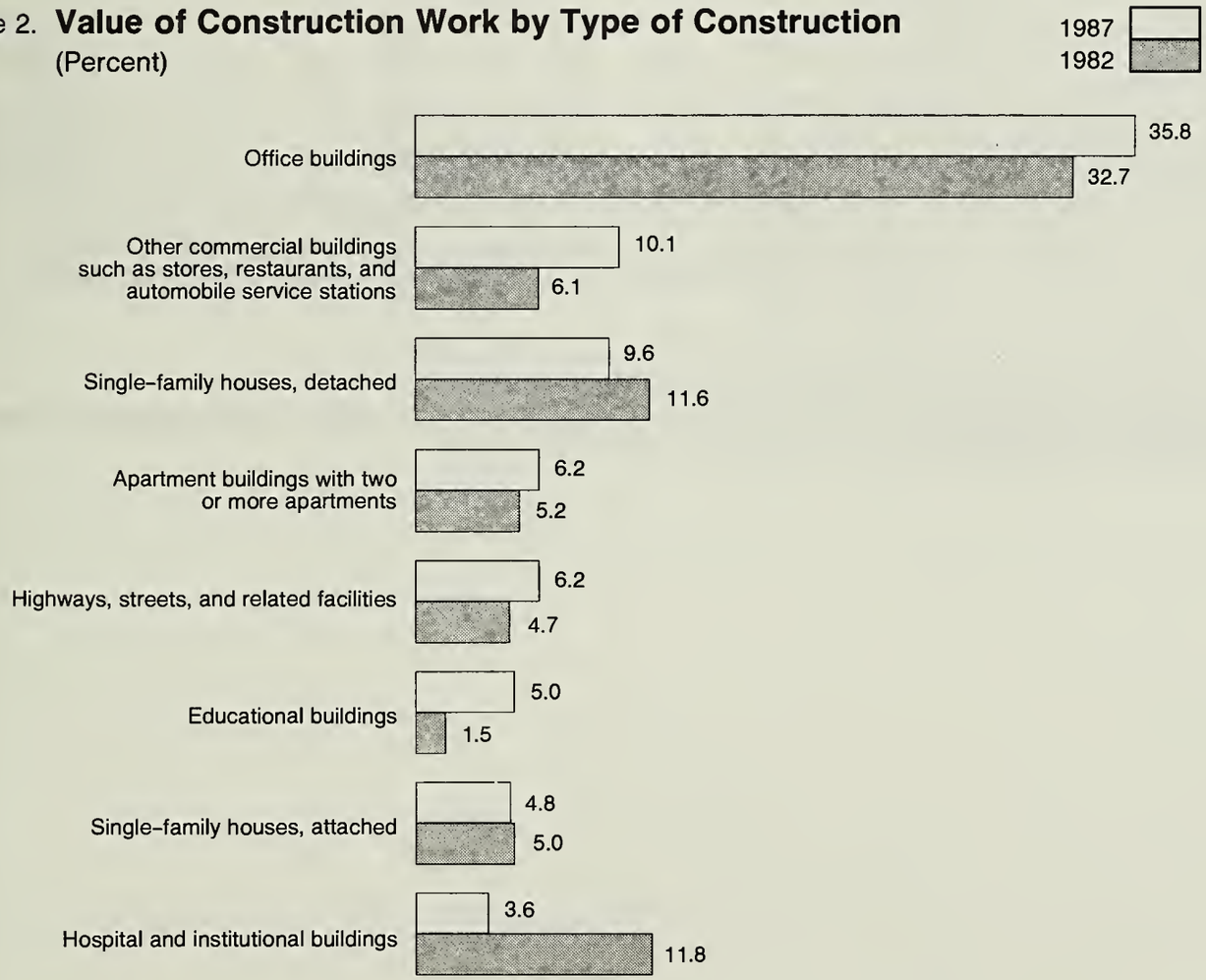


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	**1 313**	**885**	**11 222**	**1 520 730**	**904**	**853**	**122 834**	**409**	**32**	**11 222**	**1 397 896**	**2**	**2**
15, 16, 17	**Construction industries**	**1 210**	**803**	**10 980**	**1 420 915**	**825**	**771**	**40 590**	**385**	**32**	**10 980**	**1 380 325**	**1**	**2**
15	**Building construction—General contractors and operative builders**	**357**	**160**	**4 296**	**898 730**	**198**	**156**	**26 530**	**159**	**4**	**4 296**	**872 200**	**3**	**2**
16	**Heavy construction other than building construction— contractors**	**29**	**6**	**(D)**	**(D)**	**4**	**4**	**48**	**25**	**2**	**(D)**	**(D)**	**(D)**	**(D)**
17	**Special trade contractors**	**824**	**637**	**(D)**	**(D)**	**623**	**611**	**14 012**	**201**	**26**	**(D)**	**(D)**	**(D)**	**(D)**
1711	Plumbing, heating, and air-conditioning	81	38	1 172	95 574	33	33	1 082	48	5	1 172	94 492	3	2
1731	Electrical work	82	47	1 629	123 793	44	42	962	38	5	1 629	122 831	3	3
6552	**Land subdividers and developers, n.e.c.[2]**	**99**	**82**	**232**	**99 812**	**79**	**82**	**82 244**	**20**	**-**	**232**	**17 568**	**45**	**25**
	1982													
	Construction industries and land subdividers and developers	1 268	**864**	**7 461**	**789 566**	**829**	**826**	**85 948**	**439**	**38**	**7 461**	**703 618**	**2**	**2**
15, 16, 17	**Construction industries**	**1 190**	**779**	**7 331**	**719 413**	**770**	**741**	**23 945**	**420**	**38**	**7 331**	**695 468**	**2**	**2**
15	**Building construction—General contractors and operative builders**	**352**	**165**	**3 062**	**457 665**	**167**	**150**	**9 720**	**185**	**15**	**3 062**	**447 945**	**3**	**2**
16	**Heavy construction other than building construction— contractors**	**34**	**20**	**585**	**47 393**	**21**	**20**	**1 125**	**13**	**-**	**585**	**46 268**	**5**	**(W)**
17	**Special trade contractors**	**604**	**594**	**3 684**	**214 355**	**562**	**571**	**13 100**	**222**	**23**	**3 684**	**201 255**	**3**	**3**
1711	Plumbing, heating, and air-conditioning	103	38	1 043	(D)	34	33	897	69	5	1 043	(D)	6	(D)
1731	Electrical work	70	37	846	51 368	39	36	1 529	31	1	846	49 839	4	4
6552	**Land subdividers and developers, n.e.c.[2]**	**76**	**85**	**(S)**	**70 153**	**59**	**85**	**62 003**	**17**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**1 313**	**885**	**11 222**	**1 520 730**	**904**	**853**	**122 834**	**409**	**32**	**11 222**	**1 397 896**	**2**	**2**
$10,000,000 or more	29	4	5 737	(D)	2	2	(D)	27	2	5 737	930 701	(W)	(W)
$5,000,000 to $9,999,999	26	4	1 735	(D)	2	4	(D)	24	–	1 735	159 444	1	6
$2,500,000 to $4,999,999	37	10	827	1 260 445	7	8	68 580	30	2	827	101 720	4	14
$1,000,000 to $2,499,999	(S)	(S)	(S)	(S)	10	13	16 505	(S)	(S)	(S)	(S)	(S)	(S)
$500,000 to $999,999	66	23	580	49 147	14	13	9 555	52	*10	580	39 592	13	16
$250,000 to $499,999	(S)	(S)	(S)	(S)	17	14	6 177	(S)	(S)	(S)	(S)	(S)	(S)
$100,000 to $249,999	97	35	(S)	(S)	47	28	6 910	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	78	73	5 482	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	144	137	*11	*5 062	135	130	4 730	*9	*7	*11	*332	58	55
Less than $25,000	(S)	(S)	(S)	(S)	592	568	4 897	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	197	187	3 151	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	159	154	1 170	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	112	108	414	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	124	119	161	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	**1 268**	**864**	**7 461**	**789 566**	**829**	**826**	**85 948**	**439**	**38**	**7 461**	**703 618**	**2**	**2**
$10,000,000 or more	11	–	2 505	(D)	–	–	–	11	–	2 505	(D)	(W)	(D)
$5,000,000 to $9,999,999	17	4	1 248	(D)	3	4	21 394	14	–	1 248	(D)	(W)	(D)
$2,500,000 to $4,999,999	23	6	892	(D)	4	6	14 658	19	–	892	(D)	(W)	(D)
$1,000,000 to $2,499,999	61	22	931	668 387	12	22	16 999	49	–	931	615 336	8	2
$500,000 to $999,999	69	19	792	46 848	12	17	8 999	57	*2	792	37 849	10	12
$250,000 to $499,999	102	31	538	36 734	20	26	7 218	82	5	538	29 516	16	15
$100,000 to $249,999	120	40	342	19 047	34	35	5 003	86	5	342	14 044	21	19
$50,000 to $99,999	129	68	158	18 550	56	47	3 895	73	*21	158	6 873	20	21
$25,000 to $49,999	101	82	*10	(D)	92	82	3 090	*9	–	*10	(D)	45	(D)
Less than $25,000	635	592	(S)	(D)	596	587	4 692	39	*5	(S)	(D)	(S)	(D)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	218	210	3 303	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	124	124	850	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	149	147	434	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	105	106	105	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**409**	**11 222**	**8 816**	**285 326**	**197 960**	**14 821**	**1 351 297**	**734 174**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	57	231	167	4 517	2 691	318	22 611	13 662
1522	Other residential buildings	7	(S)	(S)	(S)	(S)	(S)	(D)	(S)
1531	Operative builders	33	998	590	27 551	11 914	1 035	191 696	93 823
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	3	(S)	(S)	(S)	(S)	(S)	(D)	(S)
1542	Nonresidential buildings, n.e.c.	59	2 926	2 263	73 545	47 609	3 919	618 816	166 770
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	16	917	789	21 206	15 177	1 113	81 401	65 571
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	–	–	–	–	–	–	–	–
1623	Water, sewer, and utility lines	4	50	43	1 003	809	69	2 716	2 476
1629	Heavy construction, n.e.c.	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	48	1 172	901	31 872	22 384	1 526	94 492	80 807
1721	Painting and paper hanging	*15	268	227	6 337	4 966	302	17 454	16 648
1731	Electrical work	38	1 629	1 369	53 577	41 084	2 650	121 580	117 265
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	11	96	88	1 791	1 342	125	5 459	5 283
1742	Plastering, drywall, and insulation work	13	696	610	8 634	7 982	1 024	20 855	(D)
1743	Terrazzo, tile, marble, and mosaic work	4	(D)	34	(D)	671	65	(D)	(D)
175	Carpentry and floor work:								
1751	Carpentry	11	106	93	1 813	1 366	133	4 621	3 461
1752	Floor laying and other floor work	11	93	68	1 829	1 107	129	(D)	(D)
1761	Roofing, siding, and sheet metal work	*14	526	478	15 078	13 031	697	34 671	33 672
1771	Concrete work	*11	80	67	*1 440	*1 087	*112	6 827	4 982
1781	Water well drilling	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	4	(D)	39	(D)	1 033	(D)	(D)	(D)
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	4	(D)	(D)	(D)	(D)	123	7 966	(D)
1799	Special trade contractors, n.e.c.	11	110	99	2 634	2 220	112	14 245	*13 075
6552	**Land subdividers and developers, n.e.c.**	**20**	***232**	**(D)**	**2 747**	**(D)**	**(D)**	**10 578**	**(D)**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
500 280	**254 364**	**617 122**	**16 325**	**8 543**	**64 688**	**7 461**	**645 082**	**277 143**	**2**	**2**	**5**	
												15, 16, 17
												15
												152
7 955	(D)	8 948	94	271	2 983	616	41 209	13 197	19	12	26	1521
(S)	(S)	(S)	(D)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	1522
56 315	41 560	97 872	2 199	(D)	6 897	480	50 716	12 079	8	10	(D)	1531
												154
(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	1541
115 214	57 807	452 045	3 665	1 733	16 281	1 692	277 256	98 976	3	4	10	1542
												16
41 299	24 426	15 829	3 831	1 584	11 220	350	27 226	15 017	10	6	12	1611
												162
–	–	–	–	–	–	(D)	(D)	(D)	–	–	–	1622
1 658	818	240	113	(D)	(D)	(D)	(D)	(D)	(W)	(W)	(D)	1623
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1629
												17
51 141	29 666	13 685	1 241	1 064	8 482	1 043	62 795	33 675	3	3	6	1711
13 356	(D)	806	24	138	897	222	8 757	6 741	20	14	(W)	1721
92 759	25 756	4 314	803	1 024	6 308	846	48 420	27 165	3	3	33	1731
												174
3 348	1 935	176	(D)	(D)	(D)	(S)	(S)	(S)	3	1	(D)	1741
12 305	7 479	(D)	208	(D)	(D)	218	14 271	9 016	(W)	(D)	(D)	1742
(D)	(D)	(D)	(D)	(D)	86	(D)	(D)	(D)	(D)	(D)	(D)	1743
												175
2 266	1 195	1 160	33	5	24	116	5 309	2 108	(W)	(W)	35	1751
2 781	2 073	(D)	41	(D)	747	(D)	(D)	1 914	7	(D)	(D)	1752
32 158	(D)	998	(D)	234	3 067	389	19 734	14 200	4	3	10	1761
2 828	2 153	(S)	44	–	(D)	(D)	(D)	(D)	39	37	–	1771
(D)	(D)	(D)	(D)	(D)	(D)	–	–	–	(D)	(D)	(D)	1781
												179
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1791
(D)	(D)	(D)	(D)	(D)	(D)	88	5 844	3 799	(D)	(D)	(D)	1793
3 443	(D)	(D)	(D)	(D)	(D)	(D)	6 154	3 510	(D)	(D)	(D)	1794
–	–	–	–	–	–	(D)	1 338	1 065	–	–	–	1795
6 064	(D)	(D)	(D)	125	479	87	6 136	4 213	(D)	(D)	(W)	1796
*8 669	*4 502	1 170	99	66	388	(S)	(S)	(S)	29	44	(W)	1799
8 652	**(D)**	**(D)**	61	**(D)**	*623	**(S)**	**(S)**	**(S)**	**45**	**(D)**	**(D)**	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	409	439	531	630	5	7	8	7
Proprietors and working partners	32	38	188	192	28	26	19	13
All employees**	11 222	7 461	11 061	13 976	2	2	4	1
Construction workers:								
March	8 705	5 381	8 302	10 589	1	2	3	1
May	9 133	5 975	9 072	11 350	1	2	4	1
August	9 202	5 778	9 352	12 059	1	2	4	1
November	8 224	5 358	9 085	12 324	1	2	5	1
Average	8 816	5 648	8 958	11 639	1	2	4	1
Other employees:								
March	2 713	1 810	2 079	2 221	16	2	4	4
May	2 270	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
August	2 341	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
November	2 297	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Average	2 405	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	3 568	2 085	(NA)	(NA)	2	3	(NA)	(NA)
April to June	3 815	2 448	(NA)	(NA)	2	3	(NA)	(NA)
July to September	3 843	2 388	(NA)	(NA)	2	3	(NA)	(NA)
October to December	3 594	2 286	(NA)	(NA)	2	2	(NA)	(NA)
Total hours worked	14 821	9 208	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	285 326	148 695	155 244	154 175	1	2	2	1
Payroll, construction workers	197 960	100 008	117 871	121 897	1	2	2	1
Payroll, other employees	87 365	48 686	37 373	32 278	1	2	2	2
First quarter payroll, all employees	67 674	36 457	34 971	(NA)	2	2	2	(NA)
Employer costs for fringe benefits, all employees	62 728	27 161	29 823	(NA)	2	2	2	(NA)
Legally required expenditures	45 983	19 559	17 158	(NA)	2	2	2	(NA)
Voluntary expenditures	16 745	7 602	12 665	(NA)	4	2	1	(NA)
Dollar value of business done	1 397 896	703 618	676 657	549 425	2	2	2	1
Value of construction work[1]	1 351 297	645 082	646 044	540 677	2	2	2	1
Value of construction work subcontracted in from others	187 345	134 766	120 733	111 125	3	9	(W)	(W)
Land receipts[2]	26 127	9 272	(NA)	(NA)	7	2	(NA)	(NA)
Other business receipts	20 471	49 264	30 613	8 748	7	1	4	8
Net value of construction†	734 174	379 381	430 975	358 114	2	2	2	1
Value added††	500 280	277 143	275 478	235 528	2	2	1	1
Selected costs	871 487	417 202	391 980	312 665	2	2	2	1
Materials, components, and supplies[3]	240 590	143 334	167 543	130 102	2	2	3	1
Construction work subcontracted to others	617 122	265 701	215 069	182 563	2	2	2	1
Selected power, fuels, and lubricants	13 774	8 167	9 369	(NA)	2	2	2	(NA)
Electricity	2 924	1 354	1 993	(NA)	3	4	3	(NA)
Natural gas	594	750	781	(NA)	3	4	4	(NA)
Gasoline and diesel fuel	9 241	5 362	5 072	(NA)	2	3	2	(NA)
On highway use	7 015	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Off highway use	2 225	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	1 014	700	1 523	(NA)	3	2	4	(NA)
Rental cost for machinery, equipment, and buildings	16 325	9 433	9 865	(NA)	4	3	2	(NA)
For machinery and equipment	10 581	6 950	8 550	6 436	7	3	2	1
For buildings	5 743	2 483	1 315	(NA)	3	4	3	(NA)
Selected purchased services	10 954	6 876	7 921	(NA)	2	3	2	(NA)
Communication services	3 814	2 064	1 812	(NA)	3	4	2	(NA)
Repairs to buildings and other structures	750	705	619	(NA)	6	3	14	(NA)
Repairs to machinery and equipment	6 389	4 106	5 490	(NA)	1	2	1	(NA)
Ownership of construction projects:								
Value of construction work	1 351 297	645 082	646 044	540 677	2	2	2	1
Government owned	305 887	150 563	294 512	232 943	2	6	1	1
Federal	151 948	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
State and local	153 939	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Privately owned	1 045 409	494 518	351 532	307 734	4	3	3	2

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	58 208	129 679	3	2
Capital expenditures, other than land	8 543	11 559	5	1
New	7 288	9 938	5	1
Used	1 254	1 620	10	3
Retirements and disposition of depreciable assets	2 063	2 869	6	3
End-of-year gross book value of depreciable assets	64 688	138 369	3	2
Depreciation charges during year	7 693	10 621	3	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	14 057	76 616	6	1
Capital expenditures, other than land	723	(D)	9	(D)
New buildings and other structures	564	(D)	(W)	(D)
Used buildings and other structures	158	(D)	40	(D)
Retirements and disposition of depreciable assets	98	(D)	6	(D)
End-of-year gross book value of depreciable assets	14 681	83 115	6	1
Depreciation charges during year	1 394	3 495	6	2
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	44 151	53 062	3	3
Capital expenditures, other than land	7 820	(D)	5	(D)
New machinery and equipment, including automobiles and trucks	6 723	(D)	6	(D)
New automobiles and trucks, intended primarily for highway use	3 091	(D)	12	(D)
Used machinery and equipment, including automobiles and trucks	1 096	(D)	10	(D)
Retirements and disposition of depreciable assets	1 964	(D)	6	(D)
End-of-year gross book value of depreciable assets	50 007	55 254	3	3
Depreciation charges during year	6 299	7 126	3	3

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	409	5
Value of construction work	1 351 297	2
Establishments with inventories:		
Number	(S)	(S)
Value of construction work	(S)	(S)
Inventories[1]:		
End of 1987, materials and supplies	(S)	(S)
End of 1986, materials and supplies	(S)	(S)
Establishments with no inventories:		
Number	(S)	(S)
Value of construction work	(S)	(S)
Establishments not reporting:		
Number	(S)	(S)
Value of construction work	(S)	(S)

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	409	(S)	64	(S)	57	19	12	8	2	-
All employees**	11 222	(S)	448	(S)	1 826	1 316	1 926	4 169	(D)	-
Payroll, all employees	285 326	(S)	9 457	(S)	39 368	31 204	55 522	116 439	(D)	-
Construction worker hours (thousands)	14 821	(S)	543	(S)	2 116	1 667	2 807	5 914	(D)	-
Dollar value business done	1 397 896	(S)	79 093	(S)	212 832	117 824	214 029	570 585	(D)	-
Value of construction work[1]	1 351 297	(S)	(D)	(S)	202 316	111 734	769 088	(D)	(D)	-
Net value of construction work†	734 174	(S)	(D)	(S)	130 634	89 969	361 167	(D)	(D)	-
Value added††	500 280	(S)	18 640	(S)	82 890	57 651	78 703	181 750	(D)	-
Cost of materials, components, supplies, and fuels	254 364	(S)	(D)	(S)	49 753	80 020	(D)	66 436	(D)	-
Cost of construction work subcontracted to others	617 122	(S)	42 119	(S)	71 681	21 765	85 522	322 399	(D)	-
Rental cost for machinery, equipment, and buildings	16 325	(S)	438	(S)	3 146	834	5 207	4 543	(D)	-
Capital expenditures, other than land	8 543	(S)	228	(S)	1 326	1 913	1 985	1 452	(D)	-
End-of-year gross book value of depreciable assets	64 688	(S)	5 009	(S)	9 233	11 958	12 120	16 018	(D)	-
1982										
All employees**	7 461	413	711	783	1 235	1 024	2 037	1 257	(D)	-
Value of construction work[1]	645 082	32 297	44 831	53 495	75 460	105 144	333 855	(D)	(D)	-
Value added††	277 143	11 851	26 154	21 627	37 758	36 702	99 709	43 341	(D)	-
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	(S)	18	(S)	8	(W)	(W)	(W)	(D)	-
Net value of construction work†	2	(S)	(D)	(S)	3	(W)	(W)	(D)	(D)	-
Capital expenditures, other than land	5	(S)	22	(S)	15	(W)	(W)	(W)	(D)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—									
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	409	(S)	*9	(S)	(S)	(S)	52	(S)	30	24	27
All employees**	11 222	(S)	*11	(S)	(S)	(S)	580	(S)	827	1 735	5 737
Payroll, all employees	285 326	(S)	*107	(S)	(S)	(S)	12 224	(S)	18 550	38 775	173 516
Construction worker hours (thousands)	14 821	(S)	*20	(S)	(S)	(S)	766	(S)	1 060	2 326	8 059
Dollar value of business done	1 397 896	(S)	*332	(S)	(S)	(S)	39 592	(S)	101 720	159 444	930 701
Value of construction work[1]	1 351 297	(S)	*332	(S)	(S)	(S)	(D)	(S)	98 774	148 646	906 491
Net value of construction work†	734 174	(S)	(D)	(S)	(S)	(S)	30 817	(S)	69 708	110 503	394 792
Value added††	500 280	(S)	(D)	(S)	(S)	(S)	20 101	(S)	40 872	72 847	279 183
Cost of materials, components, supplies, and fuels	254 364	(S)	(D)	(S)	(S)	(S)	(D)	(S)	29 994	41 437	127 535
Cost of construction work subcontracted to others	617 122	(S)	(D)	(S)	(S)	(S)	(D)	(S)	29 066	38 143	511 699
Rental cost for machinery, equipment, and buildings	16 325	(S)	(D)	(S)	(S)	(S)	395	(S)	673	1 549	10 324
Capital expenditures, other than land	8 543	(S)	(S)	(S)	(S)	(S)	*572	(S)	268	1 176	4 438
End-of-year gross book value of depreciable assets	64 688	(S)	*204	(S)	(S)	(S)	3 687	(S)	3 386	9 965	33 054
1982											
All employees**	7 461	(S)	*10	158	342	538	792	931	892	1 248	2 505
Value of construction work[1]	645 082	(D)	969	5 786	13 046	28 597	36 212	75 181	59 343	91 207	334 741
Value added††	277 143	(D)	*606	2 684	6 841	15 067	20 626	32 105	29 433	37 109	132 669
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	(S)	58	(S)	(S)	(S)	13	(S)	4	1	(W)
Net value of construction work†	2	(S)	(D)	(S)	(S)	(S)	12	(S)	13	1	(W)
Capital expenditures, other than land	5	(S)	(S)	(S)	(S)	(S)	53	(S)	6	4	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**1 351 297**	**923 192**	**293 271**	**92 055**	**2**	**2**	**4**	6
Building construction	**1 090 003**	**795 843**	**211 817**	**75 164**	**2**	**2**	**5**	**4**
Single-family houses	195 271	153 039	14 137	28 094	8	10	7	6
Single-family houses, detached	130 272	94 438	12 771	23 062	6	8	6	4
Single-family houses, attached	64 998	58 600	1 366	5 031	19	21	18	17
Apartment buildings with two or more apartments	83 038	58 991	8 219	15 827	3	1	5	12
Other residential buildings, including hotels and motels	7 733	3 886	3 140	706	4	3	4	23
Hotels and motels	5 372	3 460	1 403	508	5	3	6	30
Other residential buildings, excluding hotels and motels	2 361	426	1 736	198	6	10	5	28
Office buildings	483 661	352 393	119 430	11 838	1	1	4	5
Other commercial buildings such as stores, restaurants, and automobile service stations	136 540	87 669	38 169	10 700	6	8	2	16
Industrial buildings and warehouses	20 106	14 028	4 785	1 291	7	9	9	4
Industrial buildings	9 037	5 556	2 760	720	2	2	1	6
Warehouses	11 068	8 472	2 025	570	13	14	21	(W)
Religious buildings	9 118	(D)	(D)	1 842	7	(D)	(D)	24
Educational buildings	68 072	53 026	13 334	1 711	7	(W)	37	30
Hospitals and institutional buildings	48 810	(D)	(D)	2 924	(W)	(D)	(D)	1
Other nonresidential buildings	30 476	28 463	1 791	231	(W)	(W)	(W)	(W)
Land development for buildings	7 178	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Nonbuilding construction	**225 695**	**127 349**	**81 454**	**16 891**	**3**	**5**	**1**	**5**
Highways, streets, and related facilities	83 900	35 906	35 178	12 816	5	8	1	6
Sewers, water mains, and related facilities	6 585	(D)	(D)	(D)	(W)	(D)	(D)	(D)
Sewage treatment and water treatment plants	6 111	(D)	(D)	(D)	(W)	(D)	(D)	(D)
Other nonbuilding construction	129 099	*81 632	44 273	3 194	40	49	(W)	(W)
Construction work, n.s.k.	**35 598**	**(NA)**	**(NA)**	**(NA)**	**21**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**645 082**	**528 512**	**(NA)**	**116 569**	**2**	**2**	**(NA)**	3
Building construction	**543 162**	**466 510**	**(NA)**	**76 652**	**2**	**2**	**(NA)**	3
Single-family houses	106 794	91 861	(NA)	14 933	9	10	(NA)	9
Single-family houses, detached	74 686	63 175	(NA)	11 510	13	15	(NA)	12
Single-family houses, attached	32 108	28 685	(NA)	3 423	7	7	(NA)	21
Apartment buildings with two or more apartments	33 218	21 278	(NA)	11 939	4	1	(NA)	12
Other residential buildings, including hotels and motels	20 961	19 050	(NA)	1 910	1	1	(NA)	9
Office buildings	210 964	185 624	(NA)	25 339	1	1	(NA)	2
Other commercial buildings such as stores, restaurants, and automobile service stations	39 476	32 325	(NA)	7 151	4	4	(NA)	1
Industrial buildings and warehouses	33 670	28 872	(NA)	4 797	8	8	(NA)	9
Industrial buildings	25 944	22 436	(NA)	3 508	2	2	(NA)	6
Warehouses	7 725	6 435	(NA)	1 289	34	35	(NA)	25
Religious buildings	5 965	4 745	(NA)	1 219	3	4	(NA)	8
Educational buildings	9 481	6 579	(NA)	2 902	3	4	(NA)	2
Hospitals and institutional buildings	75 855	71 143	(NA)	4 711	(W)	(W)	(NA)	(W)
Other nonresidential buildings	6 778	5 033	(NA)	*1 751	29	3	(NA)	69
Nonbuilding construction	**72 400**	**37 433**	**(NA)**	**34 967**	**2**	**(W)**	**(NA)**	**4**
Highways, streets, and related facilities	30 304	13 122	(NA)	17 182	(W)	(W)	(NA)	(W)
Heavy industrial facilities	6 509	3 028	(NA)	3 481	(W)	(W)	(NA)	(W)
Sewage treatment and water treatment plants	5 895	4 401	(NA)	1 494	(W)	(W)	(NA)	(W)
Other nonbuilding construction	29 692	16 882	(NA)	12 810	11	(W)	(NA)	13
Construction work, n.s.k.	**29 519**	**24 568**	**(NA)**	**4 950**	**11**	**13**	**(NA)**	**17**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**409**	**8 816**	**14 821**	**8 705**	3 568	9 133	**3 815**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	57	167	318	152	70	161	74
1522	Other residential buildings	7	(S)	(S)	(S)	(S)	(S)	(S)
1531	Operative builders	33	590	1 035	555	242	625	261
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	3	(S)	(S)	(S)	(S)	(S)	(S)
1542	Nonresidential buildings, n.e.c.	59	2 263	3 919	2 525	1 060	2 479	1 040
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	16	789	1 113	599	187	855	310
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	–	–	–	–	–	–	–
1623	Water, sewer, and utility lines	4	43	69	41	16	43	13
1629	Heavy construction, n.e.c.	5	(D)	(D)	(D)	(D)	(D)	(D)
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	48	901	1 526	917	373	922	383
1721	Painting and paper hanging	*15	227	302	239	71	227	87
1731	Electrical work	38	1 369	2 650	1 345	627	1 375	676
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	11	88	125	80	26	93	31
1742	Plastering, drywall, and insulation work	13	610	1 024	590	244	628	267
1743	Terrazzo, tile, marble, and mosaic work	4	34	65	34	15	34	16
175	Carpentry and floor work:							
1751	Carpentry	11	93	133	87	30	92	33
1752	Floor laying and other floor work	11	68	129	68	31	73	34
1761	Roofing, siding, and sheet metal work	*14	478	697	453	157	454	164
1771	Concrete work	*11	67	*112	52	29	71	26
1781	Water well drilling	1	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	2	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	3	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	4	39	(D)	31	(D)	39	19
1795	Wrecking and demolition work	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	4	(D)	123	96	37	84	(D)
1799	Special trade contractors, n.e.c.	11	99	112	95	27	101	27
6552	**Land subdividers and developers, n.e.c.**	**20**	**(D)**	**(D)**	**(D)**	**7**	**(D)**	**(D)**

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
9 202	**3 843**	**8 224**	**3 594**	**1**	**2**	**1**	**2**	**1**	**2**	**1**	**2**	**1**	**2**	
														15, 16, 17
														15
														152
183	86	171	86	21	26	23	29	20	26	19	23	22	26	1521
(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	1522
649	295	532	236	10	10	9	11	11	12	9	10	8	9	1531
														154
(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	1541
2 199	945	1 848	872	3	4	2	4	2	4	3	5	3	4	1542
														16
949	330	754	284	10	8	13	11	11	8	10	7	8	6	1611
														162
–	–	–	–	–	–	–	–	–	–	–	–	–	–	1622
47	20	42	18	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1623
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1629
														17
924	397	839	371	3	5	3	5	3	5	3	6	3	6	1711
219	69	226	74	20	(W)	13	(W)	17	(W)	24	(W)	27	(W)	1721
1 395	679	1 363	667	2	4	2	3	2	4	2	4	3	4	1731
														174
														1741
101	39	81	28	3	3	3	6	3	3	2	2	3	3	
627	263	596	249	(W)	3	(W)	3	(W)	3	(W)	2	(W)	2	1742
35	17	33	15	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1743
														175
92	34	102	35	(W)	13	(W)	11	(W)	13	(W)	12	(W)	15	1751
82	35	52	27	7	18	9	19	7	17	8	17	5	20	1752
503	184	501	191	4	5	4	4	4	5	3	4	4	6	1761
*76	*27	*68	*28	40	42	38	39	40	39	42	44	42	48	1771
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1781
														179
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1791
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1793
42	23	45	26	(W)	(D)	(W)	(D)	(W)	22	(W)	14	(W)	15	1794
–	–	–	–	–	–	–	–	–	–	–	–	–	–	1795
(D)	31	(D)	(D)	(D)	(W)	(W)	(W)	(W)	(D)	(D)	(W)	(D)	(D)	1796
103	28	96	28	31	(W)	27	(W)	32	(W)	32	(W)	30	(W)	1799
16	6	**(D)**	**(D)**	**(D)**	**(D)**	**(D)**	**(W)**	**(D)**	**(D)**	**(W)**	3	**(D)**	**(D)**	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in the District: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**27.4**	**25.4**	**1 681.1**	153.3	**.211**	**.188**	**.457**	**.012**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4.1	19.6	1 904.2	135.4	.200	(D)	.396	.004
1522	Other residential buildings	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(D)
1531	Operative builders	30.2	27.6	1 754.2	324.9	.144	.217	.511	.011
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1542	Nonresidential buildings, n.e.c.	49.6	25.1	1 731.8	273.4	.119	.093	.730	.006
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	57.3	23.1	1 410.6	103.2	.261	.300	.194	.047
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	–	–	–	–	–	–	–	–
1623	Water, sewer, and utility lines	12.5	20.1	1 604.7	63.2	.369	.301	.088	.042
1629	Heavy construction, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	24.4	27.2	1 693.7	104.9	.337	.314	.145	.013
1721	Painting and paper hanging	*17.9	23.6	1 330.4	76.9	.363	(D)	.046	.001
1731	Electrical work	42.9	32.9	1 935.7	88.8	.441	.212	.035	.007
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	8.7	18.7	1 420.5	62.0	.328	.354	.032	(D)
1742	Plastering, drywall, and insulation work	53.5	12.4	1 678.7	34.2	.414	.359	(D)	.010
1743	Terrazzo, tile, marble, and mosaic work	(D)	(D)	1 911.8	(D)	(D)	(D)	(D)	(D)
175	Carpentry and floor work:								
1751	Carpentry	9.6	17.1	1 430.1	49.7	.392	.259	.251	.007
1752	Floor laying and other floor work	8.5	19.7	1 897.1	(D)	(D)	(D)	(D)	(D)
1761	Roofing, siding, and sheet metal work	*37.6	28.7	1 458.2	72.5	.435	(D)	.029	(D)
1771	Concrete work	*7.3	*18.0	*1 671.6	101.9	.211	.315	(S)	.006
1781	Water well drilling	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c.	10.0	23.9	1 131.3	143.9	.185	*.316	.082	.007
6552	**Land subdividers and developers, n.e.c.**	***11.6**	***11.8**	**(D)**	***661.1**	**.260**	**(D)**	**(D)**	**.006**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WASHINGTON, DC-MD-VA MSA											
	Construction industries and land subdividers and developers	**8 875**	**143 620**	**3 324 557**	**15 715 244**	**10 728 476**	**6 804 949**	**4 143 416**	**4 986 768**	**230 561**	**1**	**1**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 452	8 658	148 341	788 638	565 723	319 733	265 528	222 915	11 508	4	7
1522	Other residential buildings	132	1 954	44 225	389 482	186 976	106 551	87 847	202 506	1 141	4	3
1531	Operative builders	644	11 325	339 955	3 486 925	1 929 652	1 211 351	772 595	1 557 274	26 982	2	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	54	1 127	22 819	187 111	69 198	42 696	27 771	117 913	908	14	13
1542	Nonresidential buildings, n.e.c.	474	16 956	435 213	3 323 589	1 243 993	793 477	477 991	2 079 596	15 527	1	1
16	**Heavy construction other than buliding construction—contractors:**											
1611	Highway and street construction	137	5 167	127 496	587 790	492 793	309 131	200 577	94 997	30 865	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	135	5 741	124 215	439 319	393 519	258 672	137 549	45 800	24 219	2	2
1629	Heavy construction, n.e.c.	89	6 691	190 370	475 391	390 694	307 459	85 028	84 697	3 859	1	1
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	1 014	16 642	403 200	1 447 257	1 231 774	706 235	536 210	215 482	20 308	1	1
1721	Painting and paper hanging	613	4 697	83 917	230 593	203 261	150 895	53 079	27 331	4 668	4	4
1731	Electrical work	746	14 273	350 675	988 569	966 226	618 649	356 845	22 343	16 494	1	1
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	414	7 139	134 146	360 468	345 072	229 335	119 126	15 396	5 495	3	5
1742	Plastering, drywall, and insulation work	319	7 867	171 109	506 491	467 247	293 551	177 236	39 245	6 226	2	2
1743	Terrazzo, tile, marble, and mosaic work	111	1 205	26 206	75 813	73 293	44 520	30 066	2 520	443	6	4
175	Carpentry and floor work:											
1751	Carpentry	663	5 693	100 029	262 389	227 258	152 118	81 018	35 131	5 183	4	5
1752	Floor laying and other floorwork	197	1 984	44 990	182 022	169 089	97 692	79 036	12 933	3 019	6	8
1761	Roofing, siding, and sheet metal work	367	5 139	111 510	322 691	304 987	206 590	108 400	17 703	9 005	3	3
1771	Concrete work	396	8 525	175 114	607 888	575 660	331 436	248 338	32 228	17 766	3	3
1781	Water well drilling	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	41	1 190	27 316	77 935	74 184	58 687	16 958	3 752	1 421	5	5
1793	Glass and glazing work	73	883	23 932	72 212	70 082	36 080	37 033	2 130	1 143	4	3
1794	Excavation work	195	2 895	69 113	257 996	232 268	180 297	57 075	25 728	13 573	4	4
1795	Wrecking and demolition work	16	483	8 146	24 918	22 766	22 012	1 215	2 152	437	2	1
1796	Installing building equipment, n.e.c.	46	1 538	52 911	146 778	143 182	96 685	(D)	3 596	567	3	2
1799	Special trade contractors, n.e.c.	375	4 064	76 353	276 404	242 838	165 095	94 487	33 566	6 398	9	7
6552	**Land subdividers and developers, n.e.c.**	155	**1 433**	**24 572**	**151 464**	**72 532**	**45 407**	**31 946**	**78 932**	**1 377**	**14**	**19**

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Florida. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 112,111 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $37.5 billion in total value of business done.

Most of the 112,111 construction establishments were small. Of the total, 78,173 were nonemployers, and over half of the employer establishments had less than 5 employees. The 15,700 construction establishments with 5 employees or more, while representing only 14 percent of all establishments, accounted for more than 74 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $32.2 billion on total dollar value of business done. Of this amount, $30.4 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $8.6 billion, leaving net value of construction work of $21.8 billion. In addition, these establishments paid out $10.9 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $12.5 billion. (See Introduction and appendixes for explanation of terms.)

There were 33,938 establishments with total employment averaging 329,877 during the year. Total payroll for 1987 was $6.0 billion. Total hours worked by construction workers during the year were 435 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 78,173 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $5.3 billion. Most of these establishments, about 77 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

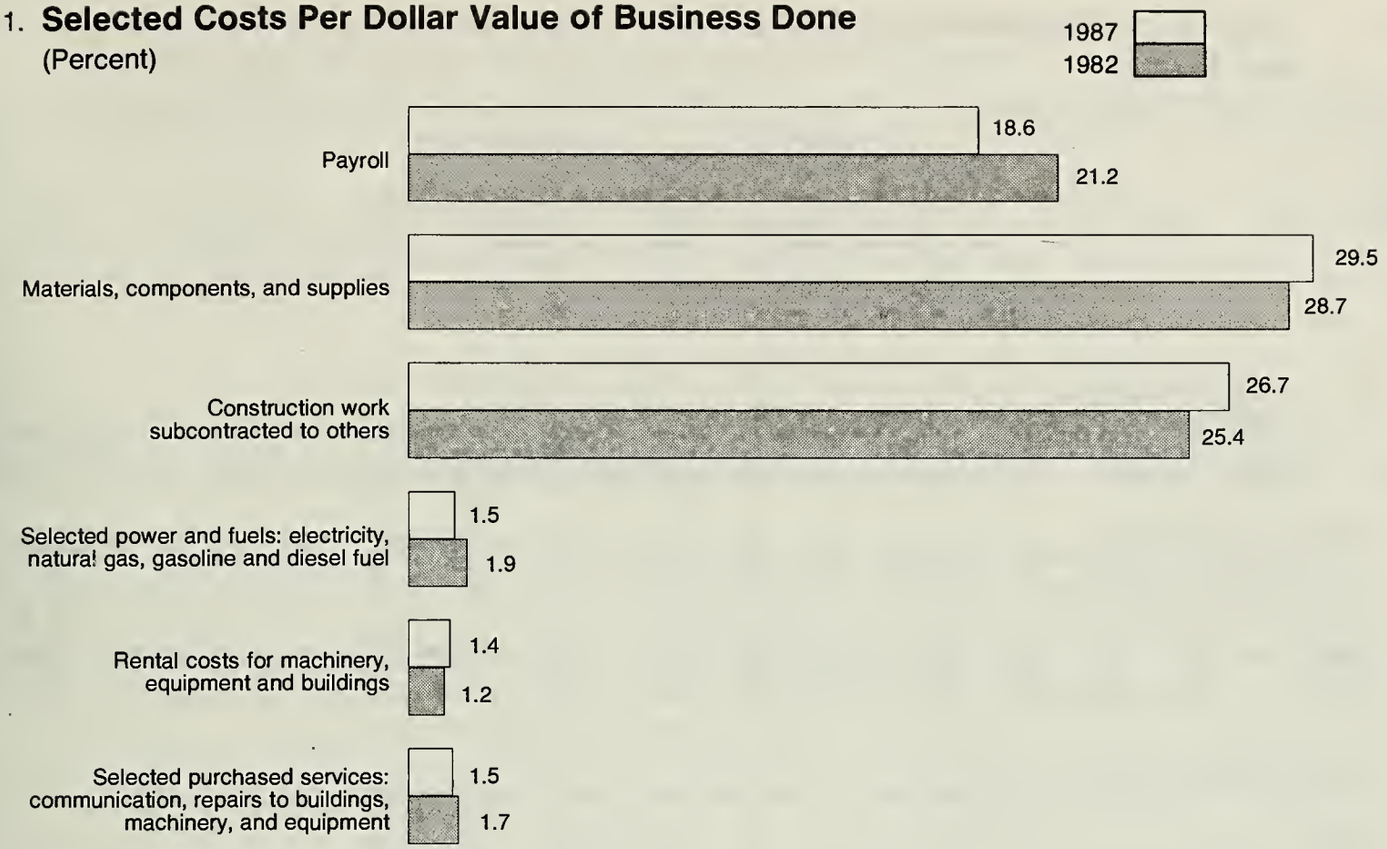


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

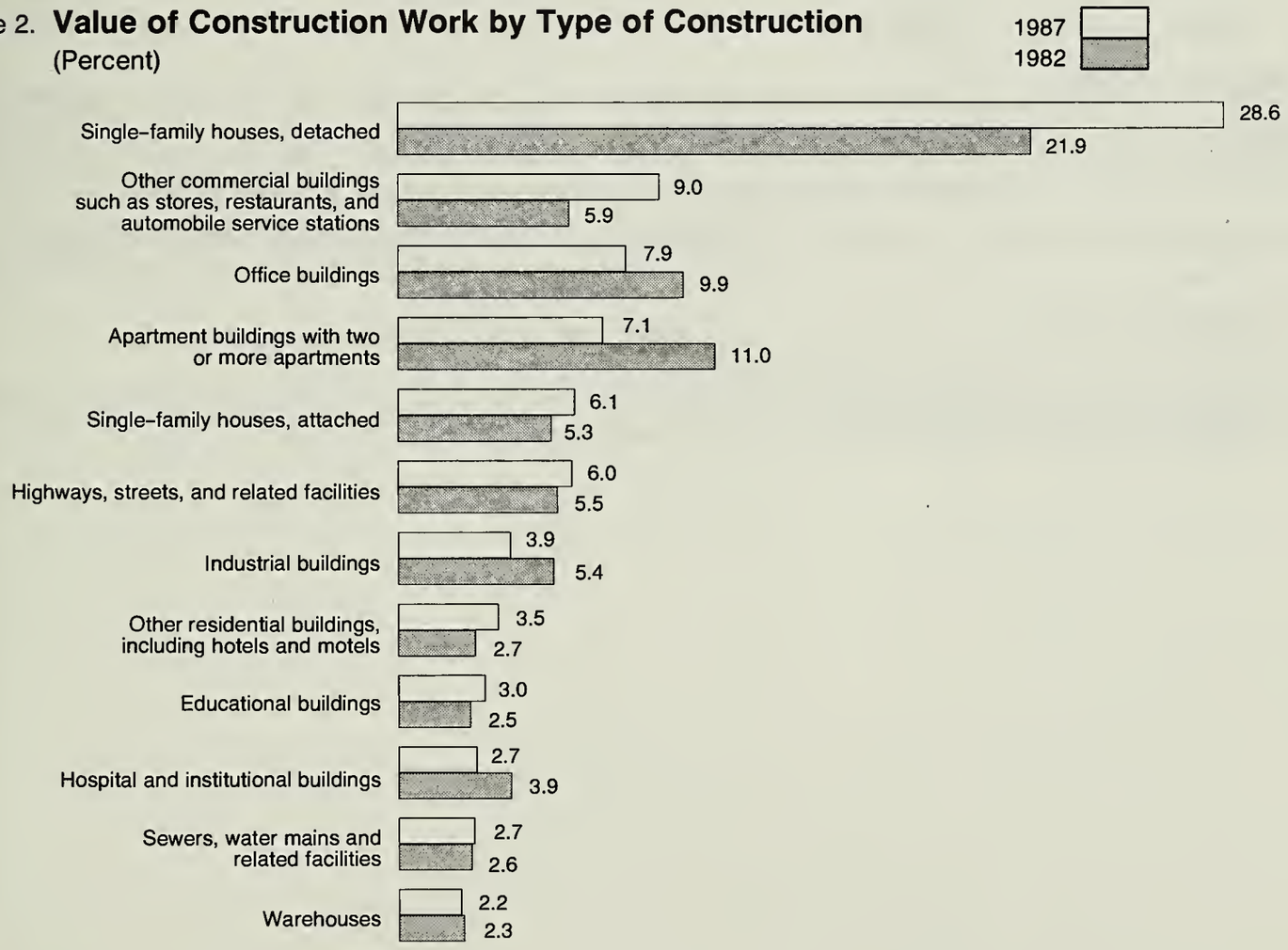


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	**112 111**	**79 346**	**329 877**	**37 542 961**	**78 173**	**73 727**	**5 322 365**	**33 938**	**5 619**	**329 877**	**32 220 596**	**(W)**	**1**
15, 16, 17	**Construction industries**	**108 190**	**76 414**	**324 573**	**35 098 246**	**75 113**	**70 891**	**3 757 289**	**33 077**	**5 523**	**324 573**	**31 340 957**	**(W)**	**1**
15	**Building construction—General contractors and operative builders**	**23 071**	**12 237**	**85 116**	**17 479 675**	**13 668**	**11 139**	**1 776 341**	**9 403**	**1 098**	**85 116**	**15 703 334**	**1**	**1**
16	**Heavy construction other than building construction— contractors**	**2 937**	**1 114**	**44 265**	**4 305 433**	**910**	**820**	**80 375**	**2 027**	**294**	**44 265**	**4 225 058**	**1**	**1**
17	**Special trade contractors**	**82 182**	**63 063**	**195 192**	**13 313 138**	**60 535**	**58 932**	**1 900 573**	**21 647**	**4 131**	**195 192**	**11 412 565**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	8 214	4 366	42 344	2 999 684	3 877	3 660	169 944	4 337	706	42 344	2 829 740	1	1
1731	Electrical work	6 615	3 785	36 281	2 125 766	3 542	3 366	105 513	3 073	419	36 281	2 020 253	1	1
6552	**Land subdividers and developers, n.e.c.[2]**	**3 907**	**2 923**	**5 290**	**2 444 701**	**3 060**	**2 836**	**1 565 076**	**847**	**87**	**5 290**	**879 625**	**3**	**5**
	1982													
	Construction industries and land subdividers and developers	**67 476**	**44 727**	**261 121**	**20 823 535**	**40 032**	**38 219**	**2 470 735**	**27 444**	**6 508**	**261 121**	**18 352 800**	**1**	**(W)**
15, 16, 17	**Construction industries**	**64 980**	**43 136**	**255 392**	**19 670 640**	**38 298**	**36 707**	**1 788 991**	**26 682**	**6 429**	**255 392**	**17 881 649**	**1**	**(W)**
15	**Building construction—General contractors and operative builders**	**16 589**	**8 899**	**69 391**	**8 945 532**	**8 836**	**7 723**	**756 396**	**7 753**	**1 176**	**69 391**	**8 189 136**	**1**	**1**
16	**Heavy construction other than building construction— contractors**	**1 858**	**627**	**32 777**	**2 588 601**	**478**	**444**	**184 630**	**1 380**	**183**	**32 777**	**2 403 971**	**1**	**1**
17	**Special trade contractors**	**46 533**	**33 610**	**153 224**	**8 136 507**	**28 934**	**28 540**	**847 965**	**17 549**	**5 070**	**153 224**	**7 288 542**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	5 527	2 641	33 580	2 024 158	2 107	1 975	93 919	3 420	666	33 580	1 930 239	1	1
1731	Electrical work	3 871	1 902	25 689	1 340 011	1 551	1 470	57 125	2 320	432	25 689	1 282 886	1	1
6552	**Land subdividers and developers, n.e.c.[2]**	**2 489**	**1 589**	**5 722**	**1 152 888**	**1 734**	**1 512**	**681 744**	**755**	**77**	**5 722**	**471 144**	**3**	**3**

Note. Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**112 111**	**79 346**	**329 877**	**37 542 961**	**78 173**	**73 727**	**5 322 365**	**33 938**	**5 619**	**329 877**	**32 220 596**	**(W)**	**1**
$10,000,000 or more	455	73	54 695	10 588 440	29	28	558 461	426	45	54 695	10 029 979	(W)	1
$5,000,000 to $9,999,999	662	98	32 894	4 567 983	49	44	346 945	613	54	32 894	4 221 038	1	2
$2,500,000 to $4,999,999	1 617	211	48 667	5 562 311	121	115	424 415	1 496	96	48 667	5 137 896	1	3
$1,000,000 to $2,499,999	4 260	498	65 856	6 561 794	406	295	618 607	3 854	203	65 856	5 943 187	1	2
$500,000 to $999,999	5 239	991	43 938	3 648 460	838	547	577 878	4 401	444	43 938	3 070 582	2	3
$250,000 to $499,999	7 500	2 147	36 476	2 635 109	1 752	1 243	601 668	5 748	904	36 476	2 033 441	3	3
$100,000 to $249,999	(S)	(S)	(S)	(S)	5 097	4 252	787 983	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	7 619	6 885	533 679	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	11 797	11 148	414 847	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	50 465	49 170	457 881	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	19 909	19 341	325 956	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	12 184	11 909	89 232	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	7 976	7 788	29 246	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	10 396	10 132	13 448	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	67 476	**44 727**	**261 121**	**20 823 535**	**40 032**	38 **219**	**2 470 735**	**27 444**	6 508	**261 121**	18 352 800	**1**	**(W)**
$10,000,000 or more	266	35	45 050	6 207 340	12	15	312 502	254	20	45 050	5 894 838	(W)	(W)
$5,000,000 to $9,999,999	342	45	23 143	2 361 794	25	34	172 148	317	11	23 143	2 189 646	(W)	(W)
$2,500,000 to $4,999,999	742	89	30 512	2 571 247	58	59	196 516	684	30	30 512	2 374 731	(W)	(W)
$1,000,000 to $2,499,999	2 128	245	45 581	3 256 823	167	164	259 467	1 961	81	45 581	2 997 356	1	2
$500,000 to $999,999	3 121	443	35 444	2 167 619	329	233	224 373	2 792	210	35 444	1 943 246	2	2
$250,000 to $499,999	4 759	1 232	30 061	1 662 301	776	603	262 939	3 983	629	30 061	1 399 362	3	2
$100,000 to $249,999	8 895	3 776	29 778	1 422 371	2 314	2 002	349 991	6 581	1 774	29 778	1 072 380	3	2
$50,000 to $99,999	8 096	4 912	12 157	580 537	3 543	3 283	244 484	4 553	1 629	12 157	336 053	4	3
$25,000 to $49,999	8 749	6 683	5 080	308 616	5 971	5 717	207 302	2 778	966	5 080	101 314	4	3
Less than $25,000	30 376	27 265	(S)	284 886	26 837	26 109	241 013	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	11 008	10 726	172 753	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	7 075	6 911	48 429	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	5 724	5 557	16 801	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	3 030	2 915	3 030	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**33 938**	**329 877**	**253 108**	**5 990 377**	**4 069 807**	**435 127**	**30 391 051**	**21 782 192**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4 728	25 482	18 178	395 211	242 117	26 918	3 174 347	2 080 641
1522	Other residential buildings	422	6 936	5 305	137 497	90 724	9 085	1 042 664	457 318
1531	Operative builders	1 966	18 875	7 225	451 690	123 186	12 853	5 120 878	2 767 577
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	348	4 548	3 360	90 851	59 471	6 141	595 060	320 904
1542	Nonresidential buildings, n.e.c.	1 939	29 275	21 818	591 930	366 046	36 820	4 661 665	2 092 433
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	540	17 238	14 330	354 273	258 751	29 199	1 881 250	1 526 641
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	19	853	708	17 062	12 645	1 267	107 728	73 392
1623	Water, sewer, and utility lines	545	13 953	11 761	252 255	190 909	22 304	1 031 670	901 680
1629	Heavy construction, n.e.c.	923	12 221	10 011	247 488	183 955	17 857	1 045 318	871 981
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	4 337	42 344	32 295	792 856	566 532	58 741	2 793 088	2 590 474
1721	Painting and paper hanging	1 824	10 776	9 222	149 550	119 652	14 303	400 418	372 326
1731	Electrical work	3 073	36 281	29 341	674 058	515 028	53 662	1 998 988	1 936 889
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	1 244	9 332	8 366	130 530	110 849	12 870	374 331	347 784
1742	Plastering, drywall, and insulation work	1 530	19 940	16 831	354 222	275 674	27 667	1 194 405	1 041 370
1743	Terrazzo, tile, marble, and mosaic work	555	3 280	2 605	56 034	42 193	4 441	200 112	185 125
175	Carpentry and floor work:								
1751	Carpentry	2 043	10 700	9 320	161 591	127 752	15 185	531 014	480 427
1752	Floor laying and other floor work	279	1 336	1 042	24 451	17 961	1 676	109 423	100 556
1761	Roofing, siding, and sheet metal work	1 878	17 824	14 529	263 854	189 894	23 038	1 008 422	946 729
1771	Concrete work	1 370	15 711	13 642	239 525	190 055	21 599	784 294	723 499
1781	Water well drilling	225	1 229	961	21 854	16 773	2 010	88 155	85 817
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	277	3 272	2 748	59 414	47 131	4 657	168 615	154 090
1793	Glass and glazing work	356	2 755	1 961	53 000	34 886	3 326	187 051	184 281
1794	Excavation work	540	5 316	4 382	96 885	75 216	8 026	390 622	354 550
1795	Wrecking and demolition work	41	297	241	5 601	4 158	408	17 859	17 189
1796	Installing building equipment, n.e.c.	180	2 510	2 076	65 060	54 321	3 416	210 392	203 513
1799	Special trade contractors, n.e.c.	1 895	12 289	9 849	187 712	138 871	16 139	775 563	676 664
6552	**Land subdividers and developers, n.e.c.**	**847**	**5 290**	**979**	**115 912**	**15 044**	**1 509**	**497 707**	**288 331**

†In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
12 538 541	**9 964 961**	**8 608 858**	**434 823**	**541 657**	**3 488 607**	**261 121**	**17 475 921**	**7 665 269**	**(W)**	**1**	**2**	
												15, 16, 17
												15
												152
1 006 086	(D)	1 093 706	21 480	34 809	198 697	21 766	1 739 372	690 951	2	3	9	1521
248 104	234 545	585 346	9 271	5 286	32 569	7 800	1 041 509	262 230	6	4	13	1522
1 363 618	1 548 070	2 353 301	22 448	63 953	464 633	14 106	2 004 320	736 875	2	3	6	1531
												154
170 901	161 228	274 156	7 821	5 681	34 756	5 036	505 501	125 992	5	5	14	1541
1 218 976	954 471	2 569 231	35 289	25 543	179 722	20 683	2 501 439	600 529	2	2	7	1542
												16
923 701	708 098	354 608	65 441	82 287	572 554	11 806	874 425	407 518	1	1	3	1611
												162
33 219	40 481	34 336	2 026	2 221	22 547	1 728	130 498	71 987	(W)	(W)	(W)	1622
579 351	345 903	129 990	34 290	45 612	275 897	10 694	619 184	321 207	2	2	4	1623
537 580	364 453	173 336	47 299	37 887	261 889	8 549	652 163	385 794	3	2	8	1629
												17
1 412 969	1 214 157	202 614	39 103	42 018	292 529	33 580	1 867 327	918 290	1	1	5	1711
271 441	102 022	28 091	6 850	7 235	42 420	8 860	247 492	161 616	3	3	11	1721
1 130 468	827 685	62 099	24 794	30 898	192 325	25 689	1 267 293	699 835	1	1	5	1731
												174
226 009	125 994	26 546	5 984	8 448	40 324	7 272	206 000	121 085	3	4	12	1741
609 418	446 478	153 035	15 534	16 521	75 694	15 247	619 247	344 908	3	3	11	1742
99 886	89 471	14 987	1 743	7 213	19 500	2 465	101 768	53 358	5	7	36	1743
												175
287 369	203 582	50 586	6 195	7 755	42 377	8 000	253 616	141 731	3	3	11	1751
54 113	50 898	8 866	1 613	1 383	11 647	1 295	51 453	24 449	7	8	17	1752
527 615	431 064	61 692	15 251	18 529	118 367	14 931	653 002	348 239	3	3	7	1761
455 722	276 876	60 795	20 435	24 644	151 523	10 565	497 610	271 726	3	3	9	1771
53 803	34 583	2 338	1 475	6 740	42 789	1 055	57 853	31 200	8	8	21	1781
												179
113 792	43 301	14 525	4 978	4 766	33 178	3 581	167 130	108 045	5	6	16	1791
99 824	94 904	2 769	3 800	2 976	17 894	2 176	130 343	64 115	5	4	21	1793
260 320	105 273	36 072	20 218	16 032	150 073	6 503	376 068	245 741	5	4	13	1794
15 226	(D)	*670	*917	*2 465	6 234	164	6 393	5 390	17	18	51	1795
136 709	76 543	6 879	2 537	873	5 052	2 526	168 264	112 578	5	6	13	1796
426 271	275 282	98 899	13 837	14 471	82 402	9 315	457 482	242 405	3	4	11	1799
276 038	68 692	**209 375**	**4 182**	**25 399**	**121 005**	**5 722**	**279 161**	**167 465**	3	**5**	**25**	**6552**

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	33 938	27 444	21 904	22 332	1	1	2	2
Proprietors and working partners	5 619	6 508	9 687	11 776	3	3	3	3
All employees**	329 877	261 121	196 561	242 554	(W)	1	2	1
Construction workers:								
March	243 838	207 164	145 250	182 901	1	1	1	1
May	252 002	207 987	152 280	192 005	1	1	1	1
August	262 086	209 163	159 733	209 111	1	1	1	1
November	254 505	198 985	162 092	212 044	1	1	1	1
Average	253 108	208 330	154 964	201 132	1	1	1	1
Other employees:								
March	75 859	52 061	39 064	39 672	1	1	6	2
May	75 881	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
August	77 844	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
November	77 532	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Average	76 779	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	101 946	86 677	(NA)	(NA)	1	1	(NA)	(NA)
April to June	108 274	88 286	(NA)	(NA)	1	1	(NA)	(NA)
July to September	113 760	89 782	(NA)	(NA)	1	1	(NA)	(NA)
October to December	111 146	85 745	(NA)	(NA)	1	1	(NA)	(NA)
Total hours worked	435 127	350 492	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	5 990 377	3 885 088	2 031 791	1 981 905	(W)	(W)	1	1
Payroll, construction workers	4 069 807	2 846 658	1 481 678	1 551 631	(W)	(W)	1	1
Payroll, other employees	1 920 569	1 038 429	550 114	430 274	1	1	1	2
First quarter payroll, all employees	1 358 833	945 171	448 498	(NA)	1	(W)	1	(NA)
Employer costs for fringe benefits, all employees	1 079 029	685 492	344 917	(NA)	1	1	1	(NA)
Legally required expenditures	823 412	512 420	241 116	(NA)	1	1	1	(NA)
Voluntary expenditures	255 617	173 071	103 801	(NA)	1	1	1	(NA)
Dollar value of business done	32 220 596	18 352 800	9 345 221	8 669 579	1	(W)	1	1
Value of construction work[1]	30 391 051	17 475 921	8 752 932	8 011 034	1	(W)	1	1
Value of construction work subcontracted in from others	7 688 009	4 244 576	2 186 993	1 741 205	2	2	(W)	(W)
Land receipts[2]	1 108 235	412 255	(NA)	(NA)	2	1	(NA)	(NA)
Other business receipts	721 305	464 623	592 289	658 545	2	1	2	4
Net value of construction†	21 782 192	12 807 981	6 346 092	5 711 762	1	(W)	1	1
Value added††	12 538 541	7 665 269	3 578 112	3 415 996	1	(W)	1	2
Selected costs	18 573 820	10 275 275	5 447 987	4 777 236	1	1	1	2
Materials, components, and supplies[3]	9 495 295	5 262 317	2 876 191	2 477 964	1	1	1	1
Construction work subcontracted to others	8 608 858	4 667 940	2 406 840	2 299 272	1	1	1	2
Selected power, fuels, and lubricants	469 666	345 018	164 955	(NA)	1	1	2	(NA)
Electricity	76 004	54 164	30 116	(NA)	1	1	7	(NA)
Natural gas	12 264	7 370	4 763	(NA)	2	1	4	(NA)
Gasoline and diesel fuel	347 255	259 682	111 233	(NA)	1	1	1	(NA)
On highway use	262 352	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Off highway use	84 902	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	34 142	23 801	18 844	(NA)	2	3	2	(NA)
Rental cost for machinery, equipment, and buildings	434 823	230 193	114 330	(NA)	1	1	1	(NA)
For machinery and equipment	296 085	173 582	91 746	91 041	2	1	1	2
For buildings	138 737	56 611	22 583	(NA)	2	1	2	(NA)
Selected purchased services	478 898	304 767	184 515	(NA)	1	1	1	(NA)
Communication services	140 203	82 441	54 751	(NA)	1	1	2	(NA)
Repairs to buildings and other structures	31 334	20 949	10 929	(NA)	2	2	8	(NA)
Repairs to machinery and equipment	307 360	201 377	118 836	(NA)	1	1	1	(NA)
Ownership of construction projects:								
Value of construction work	30 391 051	17 475 921	8 752 932	8 011 034	1	(W)	1	1
Government owned	4 906 165	2 693 248	1 512 790	1 238 506	1	2	1	1
Federal	1 171 260	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
State and local	3 734 904	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Privately owned	25 484 885	14 782 673	7 240 142	6 772 528	1	1	1	2

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	3 160 879	2 948 566	1	1
Capital expenditures, other than land	541 657	310 240	2	1
New	446 383	238 536	2	1
Used	95 274	71 703	3	3
Retirements and disposition of depreciable assets	213 928	171 219	4	2
End-of-year gross book value of depreciable assets	3 488 607	3 087 587	1	1
Depreciation charges during year	440 214	387 849	1	1
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	760 502	672 283	3	1
Capital expenditures, other than land	118 716	71 209	7	2
New buildings and other structures	100 821	64 211	8	2
Used buildings and other structures	17 894	6 998	8	5
Retirements and disposition of depreciable assets	61 253	65 619	12	5
End-of-year gross book value of depreciable assets	817 964	677 873	2	1
Depreciation charges during year	75 635	58 777	3	2
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	2 400 377	2 276 283	1	1
Capital expenditures, other than land	422 941	239 031	2	1
New machinery and equipment, including automobiles and trucks	345 561	174 325	2	1
New automobiles and trucks, intended primarily for highway use	148 641	75 150	2	2
Used machinery and equipment, including automobiles and trucks	77 380	64 705	4	3
Retirements and disposition of depreciable assets	152 674	105 600	3	2
End-of-year gross book value of depreciable assets	2 670 643	2 409 714	1	1
Depreciation charges during year	364 578	329 072	2	1

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	33 938	1
Value of construction work	30 391 051	1
Establishments with inventories:		
Number	12 423	2
Value of construction work	15 265 351	2
Inventories[1]:		
End of 1987, materials and supplies	373 049	5
End of 1986, materials and supplies	321 442	4
Establishments with no inventories:		
Number	15 798	2
Value of construction work	10 194 125	2
Establishments not reporting:		
Number	5 717	3
Value of construction work	4 931 575	2

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	33 938	18 236	7 632	4 469	2 560	727	256	45	11	-
All employees**	329 877	37 373	49 160	59 843	75 844	48 147	36 863	14 914	7 731	-
Payroll, all employees	5 990 377	538 688	760 763	1 024 827	1 450 426	956 365	782 452	326 571	150 282	-
Construction worker hours (thousands)	435 127	40 588	59 082	77 045	106 188	70 612	51 503	20 301	9 806	-
Dollar value business done	32 220 596	4 492 126	4 036 670	5 064 658	7 155 810	4 844 412	4 169 641	1 692 225	765 052	-
Value of construction work[1]	30 391 051	4 151 903	3 825 351	4 835 627	6 786 225	4 598 130	3 907 047	1 571 049	715 717	-
Net value of construction work†	21 782 192	2 902 939	2 907 045	3 667 561	4 901 101	3 195 398	2 639 879	1 568 266	(D)	-
Value added††	12 538 541	1 471 173	1 653 801	2 094 199	2 917 397	1 862 656	1 569 733	622 919	346 661	-
Cost of materials, components, supplies, and fuels	9 964 961	1 508 532	1 322 858	1 670 657	2 144 255	1 412 890	1 189 576	457 522	258 669	-
Cost of construction work subcontracted to others	8 608 858	1 248 963	918 305	1 168 065	1 885 124	1 402 731	1 267 167	718 500	(D)	-
Rental cost for machinery, equipment, and buildings	434 823	35 565	54 832	69 768	108 552	75 939	58 656	19 164	12 346	-
Capital expenditures, other than land	541 657	73 428	72 569	81 396	122 684	76 906	63 706	33 680	17 286	-
End-of-year gross book value of depreciable assets	3 488 607	447 923	432 406	545 544	774 956	474 340	471 604	238 591	103 240	-
1982										
All employees**	261 121	32 757	35 323	44 993	57 358	36 155	27 315	15 254	6 797	5 168
Value of construction work[1]	17 475 921	1 781 092	1 894 491	2 613 910	3 905 813	2 929 056	2 203 889	1 085 347	747 515	314 808
Value added††	7 665 269	761 200	828 785	1 174 683	1 723 721	1 319 776	835 928	474 978	387 266	158 932
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	(W)	1	2	2	1	1	1	(W)	(W)	-
Net value of construction work†	1	3	3	2	1	(W)	(W)	(W)	(D)	-
Capital expenditures, other than land	2	10	7	5	3	2	1	(W)	(W)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	33 938	(S)	(S)	(S)	(S)	5 748	4 401	3 854	1 496	613	426
All employees**	329 877	(S)	(S)	(S)	(S)	36 476	43 938	65 856	48 667	32 894	54 695
Payroll, all employees	5 990 377	(S)	(S)	(S)	(S)	528 299	743 569	1 231 292	984 859	715 597	1 284 280
Construction worker hours (thousands)	435 127	(S)	(S)	(S)	(S)	46 285	58 124	89 125	68 757	47 293	71 947
Dollar value of business done	32 220 596	(S)	(S)	(S)	(S)	2 033 441	3 070 582	5 943 187	5 137 896	4 221 038	10 029 979
Value of construction work[1]	30 391 051	(S)	(S)	(S)	(S)	1 974 524	2 965 154	5 635 859	4 903 204	4 005 473	9 165 357
Net value of construction work†	21 782 192	(S)	(S)	(S)	(S)	1 704 421	2 450 260	4 432 105	3 603 136	2 721 546	5 285 055
Value added††	12 538 541	(S)	(S)	(S)	(S)	1 014 963	1 412 834	2 503 265	1 976 822	1 539 290	3 113 993
Cost of materials, components, supplies, and fuels	9 964 961	(S)	(S)	(S)	(S)	724 593	1 086 365	2 043 450	1 721 978	1 254 976	2 502 298
Cost of construction work subcontracted to others	8 608 858	(S)	(S)	(S)	(S)	270 103	514 893	1 203 753	1 300 068	1 283 926	3 880 302
Rental cost for machinery, equipment, and buildings	434 823	(S)	(S)	(S)	(S)	34 388	54 755	74 875	68 675	67 488	112 317
Capital expenditures, other than land	541 657	(S)	(S)	(S)	(S)	49 411	56 851	103 525	80 961	67 310	141 183
End-of-year gross book value of depreciable assets	3 488 607	(S)	(S)	(S)	(S)	311 403	394 828	659 249	526 202	421 469	907 188
1982											
All employees**	261 121	(S)	5 080	12 157	29 778	30 061	35 444	45 581	30 512	23 143	45 050
Value of construction work[1]	17 475 921	(S)	98 886	327 209	1 045 320	1 356 189	1 877 192	2 871 714	2 278 057	2 077 385	5 501 533
Value added††	7 665 269	(S)	54 180	178 362	527 693	640 245	871 748	1 346 430	1 005 350	837 335	2 181 462
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	(W)	(S)	(S)	(S)	(S)	3	2	1	1	1	(W)
Net value of construction work†	1	(S)	(S)	(S)	(S)	2	2	2	2	2	1
Capital expenditures, other than land	2	(S)	(S)	(S)	(S)	8	7	8	5	4	1

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**30 391 051**	**22 862 530**	**3 818 975**	**2 194 339**	**1**	**1**	**1**	**1**
Building construction	**23 785 420**	**18 921 077**	**3 000 469**	**1 589 693**	**1**	**1**	**1**	**2**
Single-family houses	10 552 538	9 120 395	881 234	550 909	2	2	3	3
Single-family houses, detached	8 704 488	7 417 294	810 855	476 339	2	2	3	3
Single-family houses, attached	1 848 049	1 703 101	70 379	74 569	4	4	6	7
Apartment buildings with two or more apartments	2 162 704	1 919 860	114 915	127 928	2	3	6	5
Other residential buildings, including hotels and motels	1 071 443	845 493	129 798	96 151	2	2	10	6
Hotels and motels	654 885	539 602	70 430	44 853	3	2	18	6
Other residential buildings, excluding hotels and motels	416 557	305 890	59 368	51 298	4	5	7	10
Office buildings	2 404 623	1 817 636	424 575	162 411	1	1	3	3
Other commercial buildings such as stores, restaurants, and automobile service stations	2 734 494	2 022 766	469 989	241 738	2	2	3	4
Industrial buildings and warehouses	1 857 966	1 293 406	359 871	204 688	2	2	3	4
Industrial buildings	1 198 624	765 461	266 241	166 921	2	3	3	4
Warehouses	659 341	527 944	93 629	37 767	3	3	5	7
Religious buildings	296 476	222 141	46 077	28 256	3	3	5	16
Educational buildings	912 999	649 297	200 139	63 563	3	3	4	5
Hospitals and institutional buildings	821 547	517 367	245 782	58 396	2	2	3	5
Amusement, social, and recreational buildings	236 249	192 025	30 042	14 180	3	3	6	6
Other nonresidential buildings	460 201	320 691	98 047	41 473	5	5	8	8
Land development for buildings	274 180	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Nonbuilding construction	**5 364 606**	**3 941 453**	**818 506**	**604 645**	**1**	**1**	**2**	**2**
Highways, streets, and related facilities	1 807 353	1 223 875	391 044	192 433	1	2	1	4
Outdoor swimming pools	309 591	241 839	33 897	33 854	8	7	21	14
Parking areas including private driveways	214 118	142 897	34 761	36 459	6	6	7	13
Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts	131 142	110 618	10 140	10 384	8	8	19	26
Bridges, tunnels, and elevated highways	227 099	197 359	18 906	10 834	1	1	1	22
Marine construction	154 599	112 706	19 400	22 492	6	7	8	9
Power and communication transmission lines, towers, and related facilities	409 837	265 979	90 436	53 422	2	2	4	4
Sewers, water mains, and related facilities	820 447	706 148	52 710	61 587	2	2	6	9
Sewers, sewer lines, and related facilities	460 314	397 523	28 168	34 621	3	3	7	12
Water mains and related facilities	360 133	308 625	24 542	26 965	3	3	6	12
Blast furnaces, petroleum refineries, and chemical complexes	80 081	30 302	19 127	30 651	4	6	6	4
Power plants	119 253	68 519	14 970	35 764	2	3	3	2
Sewage treatment and water treatment plants	347 094	273 112	46 136	27 846	3	3	12	6
Sewage treatment plants	223 049	177 760	24 541	20 747	2	2	11	4
Water treatment plants	124 045	95 351	21 594	7 098	6	7	15	17
Earthmoving, nonbuilding	193 892	174 009	10 764	9 119	6	6	18	18
Other nonbuilding construction	550 100	394 090	76 215	79 800	7	7	14	13
Construction work, n.s.k.	**1 241 025**	**(NA)**	**(NA)**	**(NA)**	**3**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**17 475 921**	**15 122 516**	**(NA)**	**2 353 405**	**(W)**	**(W)**	**(NA)**	**1**
Building construction	**12 998 634**	**11 463 414**	**(NA)**	**1 535 221**	**(W)**	**(W)**	**(NA)**	**1**
Single-family houses	4 739 148	4 146 948	(NA)	592 199	1	1	(NA)	2
Single-family houses, detached	3 820 070	3 292 958	(NA)	527 112	1	1	(NA)	3
Single-family houses, attached	919 077	853 990	(NA)	65 087	2	2	(NA)	5
Apartment buildings with two or more apartments	1 975 442	1 829 609	(NA)	145 833	1	1	(NA)	2
Other residential buildings, including hotels and motels	469 298	412 921	(NA)	56 377	2	1	(NA)	6
Office buildings	1 723 705	1 533 361	(NA)	190 343	1	1	(NA)	2
Other commercial buildings such as stores, restaurants, and automobile service stations	1 026 121	878 775	(NA)	147 346	1	2	(NA)	3
Industrial buildings and warehouses	1 356 251	1 116 442	(NA)	239 809	1	1	(NA)	3
Industrial buildings	951 725	749 588	(NA)	202 137	1	1	(NA)	3
Warehouses	404 526	366 853	(NA)	37 672	2	2	(NA)	4
Religious buildings	149 254	124 034	(NA)	25 220	4	4	(NA)	3
Educational buildings	440 931	396 462	(NA)	44 469	1	2	(NA)	3
Hospitals and institutional buildings	681 161	624 056	(NA)	57 104	1	1	(NA)	2
Amusement, social, and recreational buildings	246 667	227 059	(NA)	19 607	2	2	(NA)	5
Other nonresidential buildings	190 656	173 747	(NA)	16 914	3	3	(NA)	15
Nonbuilding construction	**3 049 029**	**2 506 645**	**(NA)**	**542 384**	**1**	**1**	**(NA)**	**1**
Highways, streets, and related facilities	966 915	752 157	(NA)	214 757	1	1	(NA)	3
Outdoor swimming pools	64 233	56 293	(NA)	7 940	10	10	(NA)	18
Bridges, tunnels, and elevated highways	173 621	166 664	(NA)	6 956	1	1	(NA)	5
Marine construction	105 667	83 140	(NA)	22 526	8	10	(NA)	10
Conservation and development construction	58 031	40 425	(NA)	17 606	8	11	(NA)	6
Power and communication transmission lines, towers, and related facilities	239 312	196 502	(NA)	42 809	3	3	(NA)	2
Sewers, water mains, and related facilities	460 163	414 760	(NA)	45 402	2	2	(NA)	4
Sewers, sewer lines, and related facilities	274 844	248 059	(NA)	26 784	3	3	(NA)	6
Water mains and related facilities	185 319	166 701	(NA)	18 618	2	3	(NA)	8
Heavy industrial facilities	388 831	304 450	(NA)	84 380	1	(W)	(NA)	2
Blast furnaces, petroleum refineries, and chemical complexes	172 786	138 978	(NA)	33 807	1	1	(NA)	4
Power plants	216 045	165 472	(NA)	50 572	(W)	(W)	(NA)	1
Sewage treatment and water treatment plants	208 826	194 795	(NA)	14 030	1	1	(NA)	5
Sewage treatment plants	100 454	93 888	(NA)	6 566	1	2	(NA)	4
Water treatment plants	108 371	100 906	(NA)	7 464	2	2	(NA)	7
Other nonbuilding construction	383 430	297 459	(NA)	85 978	6	5	(NA)	17
Construction work, n.s.k.	**1 428 257**	**1 152 456**	**(NA)**	**275 799**	**2**	**2**	**(NA)**	**2**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**33 938**	**253 108**	**435 127**	**243 838**	**101 946**	**252 002**	**108 274**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	4 728	18 178	26 918	17 736	6 435	18 085	6 767
1522	Other residential buildings	422	5 305	9 085	5 170	2 089	5 171	2 332
1531	Operative builders	1 966	7 225	12 853	7 122	3 154	7 077	3 123
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	348	3 360	6 141	3 368	1 465	3 326	1 469
1542	Nonresidential buildings, n.e.c.	1 939	21 818	36 820	20 766	8 494	21 183	9 007
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	540	14 330	29 199	13 577	6 720	14 586	7 389
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	19	708	1 267	640	282	684	303
1623	Water, sewer, and utility lines	545	11 761	22 304	11 361	5 247	11 584	5 497
1629	Heavy construction, n.e.c.	923	10 011	17 857	9 184	3 879	9 769	4 442
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	4 337	32 295	58 741	31 431	13 961	31 863	14 465
1721	Painting and paper hanging	1 824	9 222	14 303	8 803	3 350	9 087	3 467
1731	Electrical work	3 073	29 341	53 662	28 999	12 927	28 704	13 030
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	1 244	8 366	12 870	8 196	3 068	8 589	3 269
1742	Plastering, drywall, and insulation work	1 530	16 831	27 667	16 177	6 367	16 947	6 850
1743	Terrazzo, tile, marble, and mosaic work	555	2 605	4 441	2 485	1 040	2 570	1 116
175	Carpentry and floor work:							
1751	Carpentry	2 043	9 320	15 185	9 030	3 498	9 433	3 884
1752	Floor laying and other floor work	279	1 042	1 676	1 094	417	1 045	431
1761	Roofing, siding, and sheet metal work	1 878	14 529	23 038	14 136	5 413	14 888	5 906
1771	Concrete work	1 370	13 642	21 599	12 671	4 874	14 026	5 384
1781	Water well drilling	225	961	2 010	931	494	1 017	525
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	277	2 748	4 657	2 666	1 096	2 669	1 175
1793	Glass and glazing work	356	1 961	3 326	1 864	771	1 962	829
1794	Excavation work	540	4 382	8 026	4 151	1 805	4 460	2 090
1795	Wrecking and demolition work	41	241	408	197	80	187	82
1796	Installing building equipment, n.e.c.	180	2 076	3 416	2 084	840	2 072	852
1799	Special trade contractors, n.e.c.	1 895	9 849	16 139	9 029	3 770	10 031	4 194
6552	**Land subdividers and developers, n.e.c.**	**847**	979	**1 509**	960	397	978	383

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
262 086	**113 760**	**254 505**	**111 146**	**1**	**1**	**1**	**1**	1	1	**1**	**1**	**1**	**1**	
														15, 16, **17**
														15
														152
18 826	6 938	18 065	6 776	3	4	3	4	3	4	3	4	3	4	1521
5 475	2 317	5 404	2 346	6	7	7	7	6	8	6	7	7	7	1522
7 688	3 362	7 013	3 212	3	4	4	5	3	5	4	5	4	5	1531
														154
3 324	1 545	3 423	1 660	5	6	5	6	6	7	5	7	4	7	1541
22 556	9 640	22 768	9 677	2	3	2	3	2	3	2	4	3	4	1542
														16
14 809	7 683	14 349	7 406	1	2	1	2	1	2	2	2	2	2	1611
														162
730	344	781	336	(W)	5	(W)	3	(W)	6	(W)	5	(W)	4	1622
11 909	5 723	12 189	5 836	2	3	2	3	2	2	2	2	2	3	1623
10 009	4 583	11 100	4 951	3	4	4	5	3	4	3	4	2	3	1629
														17
33 184	15 360	32 701	14 954	1	2	1	2	1	2	1	2	2	2	1711
9 737	3 875	9 261	3 609	3	4	3	4	4	4	4	4	4	5	1721
29 957	13 773	29 710	13 931	1	2	1	2	1	2	1	2	1	2	1731
														174
														1741
8 493	3 327	8 191	3 204	3	5	4	5	3	5	3	5	4	5	
17 195	7 230	17 003	7 219	3	4	3	4	3	4	3	4	3	4	1742
2 806	1 172	2 558	1 112	5	7	5	7	5	7	6	7	5	7	1743
														175
9 777	4 067	9 040	3 735	3	5	4	5	4	5	4	5	4	5	1751
1 098	437	933	389	7	9	7	9	7	10	7	9	7	9	1752
14 775	5 940	14 319	5 778	3	3	3	4	3	4	3	4	3	4	1761
14 550	5 858	13 321	5 481	3	3	3	3	4	3	3	4	3	3	1771
979	514	918	476	8	10	7	10	8	11	8	11	9	10	1781
														179
2 973	1 240	2 683	1 145	5	6	5	7	5	7	5	6	6	6	1791
2 013	880	2 004	844	5	7	5	7	5	6	5	7	6	7	1793
4 602	2 118	4 317	2 011	4	6	5	6	5	6	5	6	4	6	1794
338	155	244	90	18	21	13	17	15	22	28	34	21	20	1795
2 135	900	2 023	822	5	6	6	6	5	6	5	5	5	5	1796
11 134	4 405	9 205	3 768	3	5	3	5	3	5	5	6	3	5	1799
1 006	**362**	**972**	366	**4**	**7**	**5**	**7**	**4**	**7**	**5**	6	**5**	**7**	**6552**

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**9.7**	**18.2**	**1 719.1**	**120.1**	**.197**	**.328**	**.283**	**.014**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	5.4	15.5	1 480.8	174.6	.125	(D)	.345	.007
1522	Other residential buildings	16.4	19.8	1 712.5	196.5	.132	.225	.561	.009
1531	Operative builders	9.6	23.9	1 779.0	708.8	.088	.302	.460	.004
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	13.1	20.0	1 827.7	177.1	.153	.271	.461	.013
1542	Nonresidential buildings, n.e.c.	15.1	20.2	1 687.6	213.7	.127	.205	.551	.008
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	31.9	20.6	2 037.6	131.3	.188	.376	.188	.035
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	44.9	20.0	1 789.5	152.2	.158	.376	.319	.019
1623	Water, sewer, and utility lines	25.6	18.1	1 896.4	87.7	.245	.335	.126	.033
1629	Heavy construction, n.e.c.	13.2	20.3	1 783.7	104.4	.237	.349	.166	.045
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	9.8	18.7	1 818.9	86.5	.284	.435	.073	.014
1721	Painting and paper hanging	5.9	13.9	1 551.0	43.4	.373	.255	.070	.017
1731	Electrical work	11.8	18.6	1 828.9	68.1	.337	.414	.031	.012
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	7.5	14.0	1 538.4	44.7	.349	.337	.071	.016
1742	Plastering, drywall, and insulation work	13.0	17.8	1 643.8	71.0	.297	.374	.128	.013
1743	Terrazzo, tile, marble, and mosaic work	5.9	17.1	1 704.8	76.8	.280	.447	.075	.009
175	Carpentry and floor work:								
1751	Carpentry	5.2	15.1	1 629.3	57.0	.304	.383	.095	.012
1752	Floor laying and other floor work	4.8	18.3	1 608.4	105.0	.223	.465	.081	.015
1761	Roofing, siding, and sheet metal work	9.5	14.8	1 585.7	69.4	.262	.427	.061	.015
1771	Concrete work	11.5	15.2	1 583.3	57.5	.305	.353	.078	.026
1781	Water well drilling	5.5	17.8	2 091.6	91.7	.248	.392	.027	.017
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	11.8	18.2	1 694.7	61.4	.352	.257	.086	.030
1793	Glass and glazing work	7.7	19.2	1 696.1	95.4	.283	.507	.015	.020
1794	Excavation work	9.8	18.2	1 831.6	89.1	.248	.270	.092	.052
1795	Wrecking and demolition work	7.2	18.9	1 692.9	74.1	.314	(D)	*.038	*.051
1796	Installing building equipment, n.e.c.	13.9	25.9	1 645.5	101.3	.309	.364	.033	.012
1799	Special trade contractors, n.e.c.	6.5	15.3	1 638.6	78.7	.242	.355	.128	.018
6552	**Land subdividers and developers, n.e.c.**	**6.2**	**21.9**	**1 541.4**	**508.4**	**.233**	**.138**	**.421**	**.008**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	JACKSONVILLE, FL MSA											
	Construction industries and land subdividers and developers	**2 272**	**25 989**	**514 487**	**2 359 935**	**1 703 134**	**969 614**	**795 431**	**656 801**	**38 494**	**1**	**2**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	302	1 378	19 795	108 169	75 973	43 695	34 323	32 197	1 781	11	14
1522	Other residential buildings	*17	243	6 313	(D)	21 176	10 500	(D)	(D)	197	9	2
1531	Operative builders	127	1 130	25 431	303 822	173 701	53 629	136 001	130 121	955	10	9
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	32	705	15 189	79 759	47 609	27 721	22 979	32 150	783	12	11
1542	Nonresidential buildings, n.e.c.	162	2 789	59 341	430 911	194 245	117 395	95 703	236 667	1 473	6	5
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	34	1 195	25 529	135 796	110 854	59 778	57 404	24 942	3 641	3	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	41	1 166	21 321	87 483	74 118	54 711	19 530	13 365	3 541	5	5
1629	Heavy construction, n.e.c.	66	1 660	35 410	170 978	138 214	78 514	60 583	32 765	7 821	5	6
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	284	4 352	94 486	286 863	245 013	119 569	128 485	41 850	3 912	3	3
1721	Painting and paper hanging	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1731	Electrical work	178	3 113	68 196	189 939	184 077	113 342	72 478	5 862	2 309	4	4
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	102	505	6 785	22 530	21 056	13 749	*7 323	(S)	*218	16	26
1742	Plastering, drywall, and insulation work	101	1 718	33 888	112 023	101 756	58 208	44 166	10 268	834	9	11
1743	Terrazzo, tile, marble, and mosaic work	*22	147	2 657	8 421	8 020	4 716	(D)	*401	(S)	31	28
175	Carpentry and floor work:											
1751	Carpentry	142	690	9 469	34 060	27 875	15 717	12 164	6 185	*448	14	15
1752	Floor laying and other floorwork	26	93	1 859	8 211	7 815	4 755	(D)	396	98	17	6
1761	Roofing, siding, and sheet metal work	133	1 157	19 962	63 840	62 138	41 929	20 496	1 702	897	7	6
1771	Concrete work	79	820	11 805	38 042	35 694	19 623	16 123	*2 348	781	14	20
1781	Water well drilling	13	60	1 265	3 764	(D)	2 091	1 710	(D)	14	7	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	16	425	8 293	18 789	(D)	15 692	3 314	(D)	589	2	(D)
1793	Glass and glazing work	13	169	3 507	13 385	13 190	7 878	6 192	195	74	(W)	(W)
1794	Excavation work	*23	174	3 270	11 117	9 841	7 353	*3 568	1 276	(D)	21	21
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	10	132	4 060	8 978	8 935	7 346	(D)	43	(D)	(W)	(W)
1799	Special trade contractors, n.e.c.	119	821	14 264	57 626	54 088	38 703	19 442	3 539	801	10	17
6552	**Land subdividers and developers, n.e.c.**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**
	MIAMI-FORT LAUDERDALE, FL CMSA											
	Construction industries and land subdividers and developers	**6 876**	**75 453**	**1 462 713**	**7 166 486**	**5 061 813**	**3 074 504**	**2 130 273**	**2 104 673**	**104 199**	**1**	**1**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings	66	1 314	26 326	129 977	63 593	39 800	25 689	66 384	288	9	6
1531	Operative builders	465	4 784	116 738	1 287 411	666 109	337 017	357 919	621 302	13 593	4	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	81	836	17 445	132 491	61 936	33 252	30 265	70 555	*1 602	10	12
1542	Nonresidential buildings, n.e.c.	487	8 089	169 807	1 327 539	595 007	369 563	241 006	732 532	6 495	4	4

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	MIAMI-FORT LAUDERDALE, FL CMSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16,17	**Construction industries**—Con.											
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	116	4 346	94 309	511 187	398 499	256 548	155 882	112 688	24 493	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	6	283	6 420	(D)	(D)	(D)	(D)	(D)	(D)	(W)	(D)
1623	Water, sewer, and utility lines	93	2 322	44 780	174 014	156 526	94 625	(D)	17 487	5 291	5	4
1629	Heavy construction, n.e.c.	148	1 331	28 698	134 593	114 167	77 452	(D)	20 426	3 529	8	7
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	991	9 584	193 466	711 605	648 069	385 132	273 912	63 536	8 149	3	3
1721	Painting and paper hanging	326	2 307	32 956	90 235	80 183	59 039	21 463	10 051	1 261	7	6
1731	Electrical work	737	9 152	182 330	517 700	505 814	313 825	195 719	11 886	7 978	3	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	147	1 724	29 983	77 962	73 720	52 127	(D)	4 242	1 996	8	6
1742	Plastering, drywall, and insulation work	344	4 862	94 594	324 162	269 539	158 765	117 499	54 623	3 688	7	9
1743	Terrazzo, tile, marble, and mosaic work	151	862	15 003	53 451	50 254	25 377	(D)	3 198	*593	10	11
175	Carpentry and floor work:											
1751	Carpentry	357	2 427	44 588	132 374	122 580	71 875	53 494	9 794	1 355	6	5
1752	Floor laying and other floorwork	51	372	7 358	29 069	27 321	15 560	(D)	1 749	272	12	8
1761	Roofing, siding, and sheet metal work	423	4 387	62 404	237 908	222 544	128 582	100 466	15 364	5 331	6	6
1771	Concrete work	233	4 845	74 935	231 810	213 869	139 475	75 267	17 941	6 382	6	4
1781	Water well drilling	11	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	28	528	11 054	25 512	24 277	19 604	(D)	1 235	377	5	4
1793	Glass and glazing work	93	579	10 408	35 388	34 969	20 308	17 058	419	(D)	14	11
1794	Excavation work	62	769	16 186	65 623	59 209	50 801	(D)	6 414	1 142	10	8
1795	Wrecking and demolition work	*13	92	1 515	4 297	4 205	3 696	*509	*92	(D)	26	20
1796	Installing building equipment, n.e.c.	34	998	30 300	90 630	88 611	57 731	(D)	2 019	356	1	(W)
1799	Special trade contractors, n.e.c.	415	2 580	45 254	189 697	162 839	100 400	67 368	26 858	2 380	7	9
6552	**Land subdividers and developers, n.e.c.**	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	FORT LAUDERDALE-HOLLYWOOD-POMPANO BEACH, FL PMSA											
	Construction industries and land subdividers and developers	**3 199**	**37 257**	**738 104**	**3 674 817**	**2 583 276**	**1 575 324**	**1 082 263**	**1 091 541**	57 995	2	2
15,16,17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	343	2 093	33 481	223 692	136 945	85 062	58 919	86 747	1 903	8	9
1522	Other residential buildings	18	427	9 840	57 815	22 380	14 902	(D)	35 435	51	12	8
1531	Operative builders	208	2 175	52 784	671 142	331 905	142 454	201 876	339 237	4 523	8	9
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	45	448	9 335	71 968	34 177	17 143	17 188	37 792	*1 276	14	15
1542	Nonresidential buildings, n.e.c.	182	3 297	72 503	649 996	282 654	181 722	109 672	367 342	3 314	3	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	52	1 730	39 218	240 827	190 922	122 721	73 589	49 905	16 296	4	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	56	1 532	29 901	116 852	105 682	67 813	(D)	11 170	3 202	7	5
1629	Heavy construction, n.e.c.	73	732	17 481	79 411	69 368	49 573	(D)	10 043	2 176	8	6

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	FORT LAUDERDALE-HOLLYWOOD-POMPANO BEACH, FL PMSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries—Con.**											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	445	4 470	92 319	331 567	310 167	177 983	138 901	21 400	3 434	5	5
1721	Painting and paper hanging	175	1 050	13 965	41 196	35 675	26 230	9 489	5 521	617	13	10
1731	Electrical work	317	4 552	93 513	260 372	256 351	163 675	93 669	4 021	3 784	4	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	92	1 261	23 585	59 843	56 691	42 043	(D)	3 153	1 577	9	7
1742	Plastering, drywall, and insulation work	179	2 782	58 295	208 166	168 142	101 658	70 357	40 025	2 667	10	14
1743	Terrazzo, tile, marble, and mosaic work	72	458	7 893	26 376	25 410	13 798	(D)	*966	*355	16	14
175	Carpentry and floor work:											
1751	Carpentry	163	1 419	27 434	77 875	71 484	40 977	32 535	6 391	842	8	6
1752	Floor laying and other floorwork	30	245	4 415	17 592	17 143	9 790	(D)	449	158	16	6
1761	Roofing, siding, and sheet metal work	180	2 358	34 890	123 154	116 787	69 806	52 789	6 367	3 871	8	7
1771	Concrete work	146	2 839	44 476	144 165	129 841	83 883	46 688	14 324	3 863	9	6
1781	Water well drilling	7	11	140	1 232	1 229	881	(D)	(S)	(S)	18	17
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	17	327	7 128	17 255	16 228	13 480	2 748	1 027	221	6	4
1793	Glass and glazing work	45	344	6 301	22 000	21 803	12 609	10 512	*197	(D)	18	13
1794	Excavation work	42	469	9 842	42 820	37 657	34 747	(D)	5 163	828	17	11
1795	Wrecking and demolition work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c.	12	250	7 071	19 707	(D)	15 548	6 325	(D)	(D)	(W)	(D)
1799	Special trade contractors, n.e.c.	204	1 338	22 989	108 075	89 283	53 706	38 732	18 792	919	11	14
6552	**Land subdividers and developers, n.e.c.**	(S)	**(S)**	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	**(S)**
	MIAMI-HIALEAH, FL PMSA											
	Construction industries and land subdividers and developers	**3 676**	**38 196**	**724 610**	**3 491 669**	**2 478 537**	**1 499 181**	**1 048 010**	**1 013 131**	**46 205**	**1**	**2**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings	48	887	16 485	72 162	41 213	24 898	17 977	30 949	237	12	8
1531	Operative builders	257	2 609	63 953	616 269	334 204	194 563	156 043	282 065	9 070	5	9
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	36	388	8 110	60 523	27 760	16 109	13 077	32 763	326	13	19
1542	Nonresidential buildings, n.e.c.	305	4 792	97 305	677 542	312 352	187 841	131 333	365 190	3 181	7	8
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	64	2 617	55 091	270 360	207 578	133 827	82 293	62 783	8 198	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	37	790	14 879	57 162	50 845	26 812	(D)	6 317	*2 089	9	8
1629	Heavy construction, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	MIAMI-HIALEAH, FL PMSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16,17	**Construction industries—Con.**											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	546	5 114	101 147	380 037	337 901	207 149	135 011	42 136	4 715	3	3
1721	Painting and paper hanging	151	1 257	18 992	49 039	44 508	32 809	11 974	4 530	644	6	8
1731	Electrical work	420	4 601	88 817	257 327	249 463	150 150	102 050	7 865	4 193	4	4
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	54	463	6 398	18 119	17 030	10 084	(D)	*1 089	419	15	13
1742	Plastering, drywall, and insulation work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1743	Terrazzo, tile, marble, and mosaic work	79	405	7 110	27 075	24 844	11 579	13 362	*2 232	*238	10	18
175	Carpentry and floor work:											
1751	Carpentry	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1752	Floor laying and other floorwork	21	127	2 943	11 477	10 178	5 770	4 774	*1 300	*114	16	19
1761	Roofing, siding, and sheet metal work	243	2 029	27 514	114 754	105 757	58 776	47 676	8 997	1 460	10	10
1771	Concrete work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1781	Water well drilling	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	11	201	3 926	8 257	8 049	6 124	(D)	208	*156	8	9
1793	Glass and glazing work	48	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1794	Excavation work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1795	Wrecking and demolition work	(S)	75	1 325	3 729	3 641	3 217	*424	*88	–	33	23
1796	Installing building equipment, n.e.c.	22	748	23 229	70 923	(D)	42 183	(D)	(D)	(D)	1	(D)
1799	Special trade contractors, n.e.c.	211	1 242	22 265	81 622	73 556	46 694	28 635	8 066	1 461	9	10
6552	**Land subdividers and developers, n.e.c.**	**124**	**506**	**12 258**	**65 475**	38 355	36 997	**12 690**	**27 119**	**1 045**	**8**	13
	ORLANDO, FL MSA											
	Construction industries and land subdividers and developers	**2 744**	**32 066**	613 183	3 345 682	**2 303 615**	**1 333 859**	**1 071 504**	**1 042 067**	59 453	**1**	**1**
15,16,17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	257	1 316	19 772	131 085	84 323	46 312	42 913	46 762	1 137	11	12
1522	Other residential buildings	22	488	10 932	79 818	34 635	12 917	(D)	45 183	717	16	9
1531	Operative builders	169	2 419	63 038	671 180	373 839	214 865	197 380	297 340	8 559	5	7
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	50	544	11 334	93 998	36 946	22 005	16 552	57 051	896	11	8
1542	Nonresidential buildings, n.e.c.	188	3 261	70 970	705 246	301 635	180 389	(D)	403 611	3 704	5	4
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	65	2 235	44 499	261 769	221 859	124 223	(D)	39 910	12 471	5	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	45	(D)	(D)
1623	Water, sewer, and utility lines	33	981	20 241	91 063	74 132	46 973	27 766	16 931	5 649	7	7
1629	Heavy construction, n.e.c.	107	1 337	24 882	126 296	98 640	51 591	49 853	27 655	5 465	9	8

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	ORLANDO, FL MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries**—Con.											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	287	4 178	80 982	274 265	256 586	137 443	122 402	17 679	2 827	4	3
1721	Painting and paper hanging	154	931	16 842	42 113	40 211	29 618	10 616	1 902	1 052	7	7
1731	Electrical work	217	3 552	63 794	183 045	178 009	94 979	85 563	5 036	3 125	3	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	114	990	13 731	42 757	37 633	26 806	11 470	*5 124	*877	8	14
1742	Plastering, drywall, and insulation work	128	1 984	36 368	110 123	100 869	58 338	43 194	9 255	1 268	6	7
1743	Terrazzo, tile, marble, and mosaic work	41	244	3 902	14 182	13 010	7 568	5 442	*1 173	*334	21	15
175	Carpentry and floor work:											
1751	Carpentry	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1752	Floor laying and other floorwork	17	126	2 596	12 879	10 654	5 008	7 233	*2 225	138	23	27
1761	Roofing, siding, and sheet metal work	148	2 048	37 036	128 444	123 445	65 688	58 156	4 999	3 580	9	7
1771	Concrete work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1781	Water well drilling	17	124	1 951	7 365	(D)	4 213	3 100	(D)	88	5	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	31	254	3 824	15 166	12 764	8 761	(D)	*2 402	(D)	24	34
1793	Glass and glazing work	23	404	10 111	36 287	35 492	18 827	(D)	795	237	7	5
1794	Excavation work	67	654	11 500	47 821	44 661	33 074	(D)	3 160	*1 896	12	13
1795	Wrecking and demolition work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	15	194	5 456	19 116	17 951	12 411	(D)	1 165	42	(W)	(W)
1799	Special trade contractors, n.e.c.	190	1 114	18 307	89 393	71 450	42 513	32 043	17 943	*2 143	11	13
6552	**Land subdividers and developers, n.e.c.**	**54**	**241**	6 576	**47 391**	**21 649**	**22 765**	***1 924**	***25 742**	***275**	33	26
	TAMPA-ST. PETERSBURG-CLEARWATER, FL MSA											
	Construction industries and land subdividers and developers	5 308	53 013	**942 151**	**4 884 107**	**3 564 488**	**1 983 994**	**1 681 442**	**1 319 620**	93 278	**1**	1
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	659	3 896	68 384	667 154	450 044	202 121	260 469	217 110	11 827	5	7
1522	Other residential buildings	54	1 088	26 348	248 104	89 350	38 685	51 075	158 754	895	4	4
1531	Operative builders	268	2 205	59 016	757 136	435 767	208 417	247 692	321 368	15 182	6	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	40	396	6 579	29 739	18 906	7 283	12 120	10 833	*67	14	18
1542	Nonresidential buildings, n.e.c.	264	3 778	78 488	609 966	260 612	152 205	(D)	349 354	2 641	5	4
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	67	2 087	41 817	208 273	175 492	99 663	80 540	32 781	8 074	4	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	95	3 288	56 698	207 624	183 311	130 870	(D)	24 313	9 462	3	3
1629	Heavy construction, n.e.c.	120	2 357	50 052	201 793	174 377	105 045	71 986	27 416	4 458	5	5

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	TAMPA-ST. PETERSBURG-CLEARWATER, FL MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries—Con.**											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	659	6 960	122 277	439 609	409 327	213 578	201 072	30 282	6 686	3	2
1721	Painting and paper hanging	313	1 664	19 614	53 901	51 002	37 992	13 399	2 898	1 142	9	10
1731	Electrical work	444	6 486	116 114	344 711	324 392	184 539	145 764	20 318	6 439	2	2
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	243	1 803	24 373	63 155	59 704	38 546	22 247	3 450	1 410	7	5
1742	Plastering, drywall, and insulation work	224	3 110	53 990	176 391	162 760	102 227	62 584	13 631	*2 908	6	8
1743	Terrazzo, tile, marble, and mosaic work	79	637	10 220	34 952	32 539	17 043	(D)	2 414	(S)	10	10
175	Carpentry and floor work:											
1751	Carpentry	311	1 381	18 229	63 073	57 582	31 600	26 432	5 492	1 104	10	8
1752	Floor laying and other floorwork	46	147	3 100	20 567	18 214	7 559	10 790	2 352	*296	17	21
1761	Roofing, siding, and sheet metal work	367	3 137	44 180	184 436	170 411	91 391	79 972	14 025	2 201	7	8
1771	Concrete work	222	1 942	28 243	103 130	95 405	54 172	42 982	7 725	4 305	7	8
1781	Water well drilling	35	213	3 765	15 062	14 741	7 915	7 000	321	1 315	19	24
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	59	832	14 459	37 335	35 223	26 354	9 547	2 112	837	11	12
1793	Glass and glazing work	64	506	9 057	33 065	32 426	16 066	18 677	639	*294	14	15
1794	Excavation work	98	1 143	23 139	84 889	75 324	54 875	21 249	9 565	3 782	6	6
1795	Wrecking and demolition work	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	45	336	8 086	25 047	24 415	18 328	7 030	632	109	13	7
1799	Special trade contractors, n.e.c.	398	2 997	41 803	171 502	149 667	98 332	56 830	21 834	3 669	6	6
6552	**Land subdividers and developers, n.e.c.**	**130**	**520**	**12 165**	89 851	**55 138**	**33 374**	**24 460**	**34 713**	**2 725**	**14**	**12**
	WEST PALM BEACH-BOCA RATON-DELRAY BEACH, FL MSA											
	Construction industries and land subdividers and developers	**2 768**	**30 259**	**584 431**	**3 026 259**	**2 109 868**	**1 221 662**	**946 702**	**916 392**	**51 605**	**2**	**2**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	495	3 598	59 269	402 517	263 950	132 130	136 314	138 567	3 931	7	10
1522	Other residential buildings	39	900	14 265	110 780	56 968	35 591	22 796	53 812	*904	30	14
1531	Operative builders	163	3 330	77 914	796 337	419 264	224 952	211 100	377 072	3 995	4	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	33	241	4 380	39 124	20 523	9 612	11 070	18 601	*389	23	26
1542	Nonresidential buildings, n.e.c.	117	2 145	49 354	299 464	135 954	79 201	58 494	163 510	1 639	4	4
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	43	995	20 790	101 024	84 012	59 022	(D)	17 012	4 428	9	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	42	979	18 980	81 822	74 187	41 460	(D)	7 635	3 201	3	10
1629	Heavy construction, n.e.c.	69	546	12 211	49 262	42 389	28 131	16 237	6 872	756	9	6

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WEST PALM BEACH-BOCA RATON-DELRAY BEACH, FL MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries**—Con.											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	326	3 351	66 818	221 199	211 623	120 340	95 151	9 576	4 050	4	4
1721	Painting and paper hanging	161	1 253	19 761	52 182	46 317	35 376	10 963	5 865	875	8	7
1731	Electrical work	281	2 976	62 289	186 326	182 226	103 728	80 099	4 099	3 220	4	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	60	587	10 236	36 018	31 681	16 690	14 991	4 337	601	18	20
1742	Plastering, drywall, and insulation work	105	1 506	30 476	122 503	92 383	51 477	41 415	30 119	*1 643	6	10
1743	Terrazzo, tile, marble, and mosaic work	53	376	8 248	33 861	30 593	18 025	15 349	*3 269	*2 575	15	26
175	Carpentry and floor work:											
1751	Carpentry	164	1 422	22 872	89 385	76 317	42 569	34 314	13 068	1 412	9	9
1752	Floor laying and other floorwork	33	148	2 819	13 087	12 310	7 693	5 641	777	*264	13	31
1761	Roofing, siding, and sheet metal work	114	1 219	17 186	67 076	62 282	33 059	29 286	4 793	1 036	11	11
1771	Concrete work	81	1 335	23 874	75 602	65 319	41 348	25 911	10 283	1 327	6	7
1781	Water well drilling	*20	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	32	167	2 797	14 508	12 979	9 408	*3 720	*1 529	(S)	17	27
1793	Glass and glazing work	23	189	4 392	16 613	(D)	7 378	8 981	(D)	*1 110	25	(D)
1794	Excavation work	62	521	9 178	44 028	38 920	19 453	19 556	*5 107	2 193	13	8
1795	Wrecking and demolition work	(S)	(D)	(D)	(S)	(S)	(S)	(S)	(S)	(S)	(D)	(S)
1796	Installing building equipment, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1799	Special trade contractors, n.e.c.	142	872	14 544	61 774	54 402	33 354	22 768	7 372	1 468	12	12
6552	**Land subdividers and developers, n.e.c.**	92	1 334	25 348	86 291	55 048	53 843	9 243	31 243	*9 065	2	12

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Georgia. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 60,192 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $18.0 billion in total value of business done.

Most of the 60,192 construction establishments were small. Of the total, 46,291 were nonemployers, and over half of the employer establishments had less than 5 employees. The 6,121 construction establishments with 5 employees or more, while representing only 10 percent of all establishments, accounted for more than 73 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $15.1 million on total dollar value of business done. Of this amount, $14.4 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $4.1 billion, leaving net value of construction work of $10.3 billion. In addition, these establishments paid out $5.0 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $6.0 billion. (See introduction and appendixes for explanation of terms.)

There were 13,901 establishments with total employment averaging 149,698 during the year. Total payroll for 1987 was $2.8 billion. Total hours worked by construction workers during the year were 200 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 46,291 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $3.0 billion. Most of these establishments, about 72 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

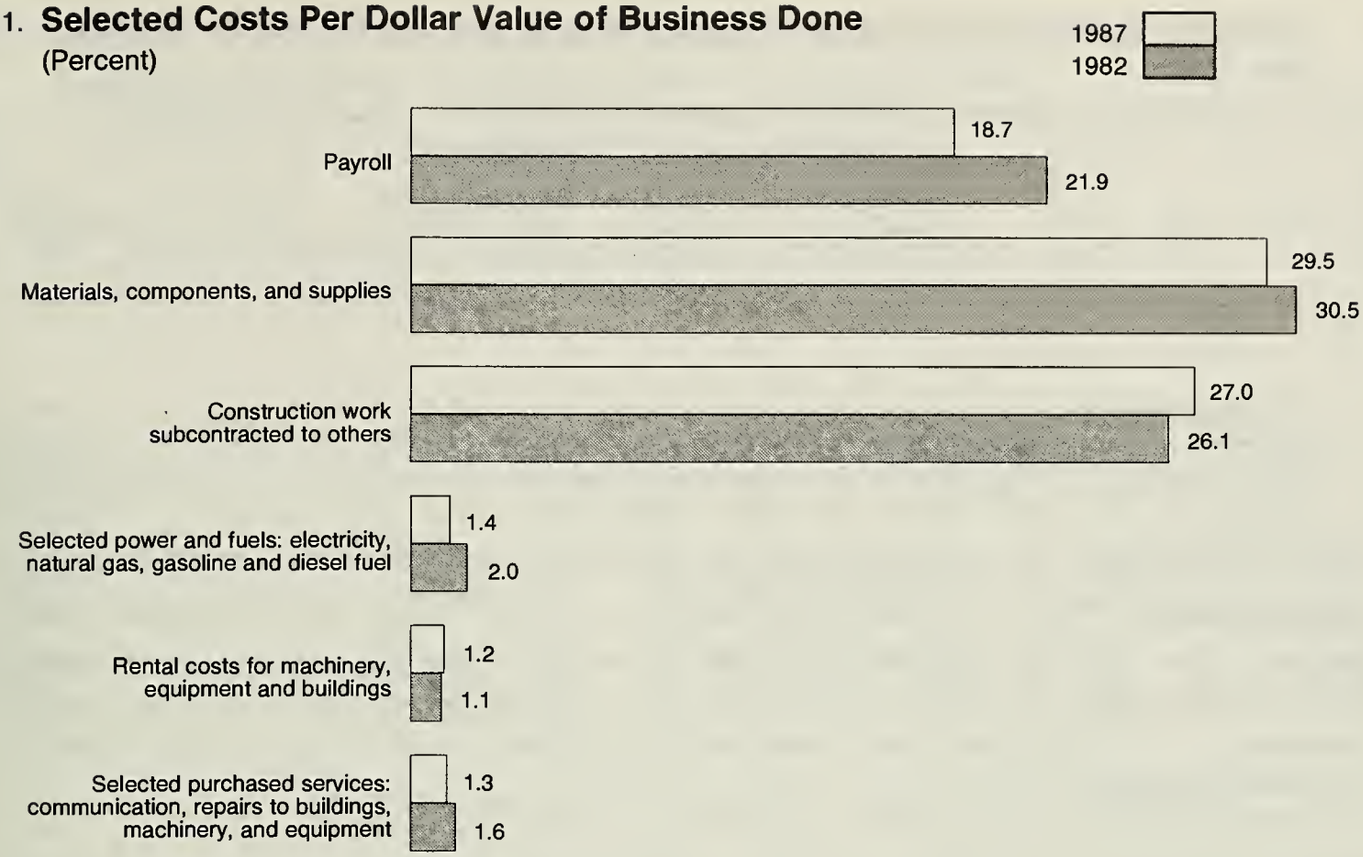


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

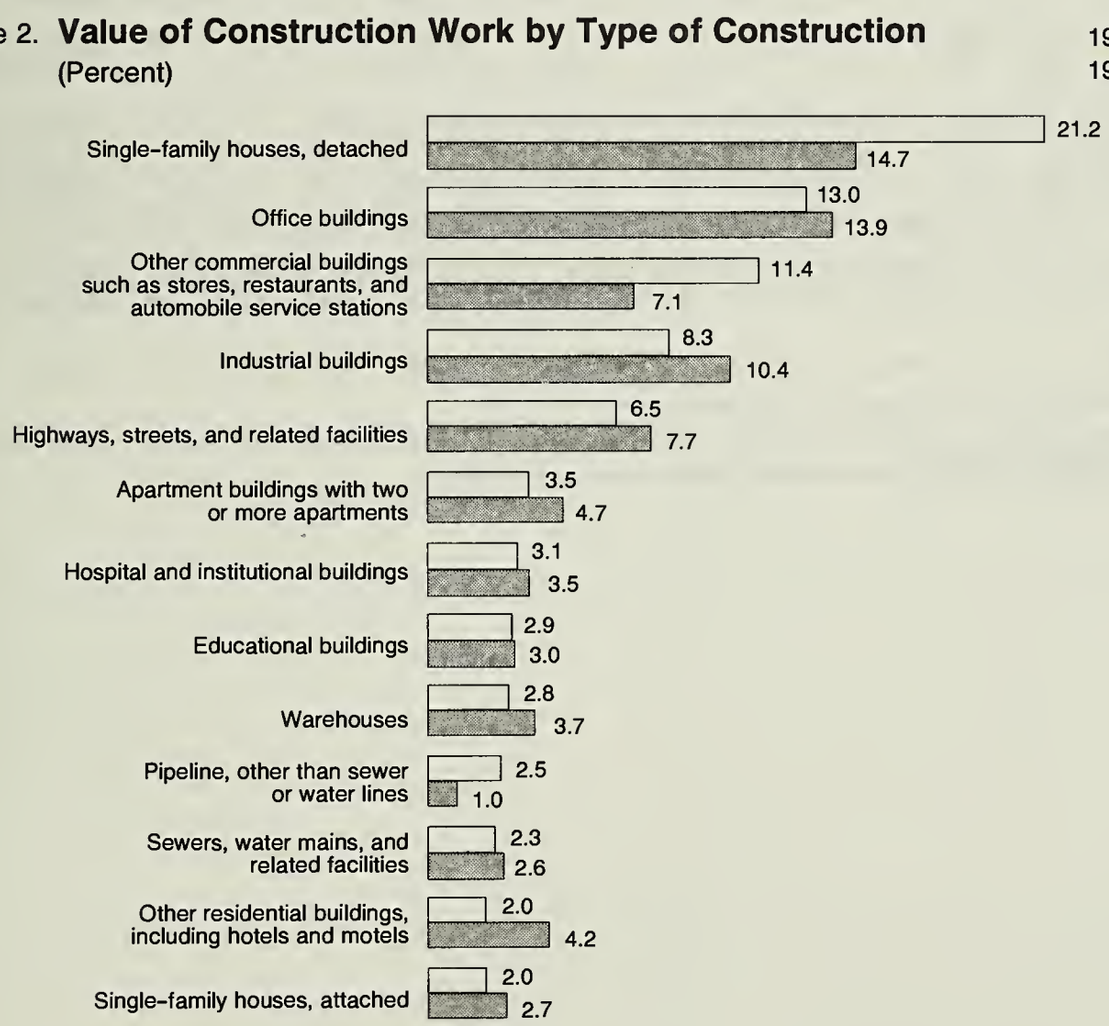


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	60 192	48 455	149 698	18 039 517	46 291	45 125	2 970 224	13 901	3 330	149 698	15 069 293	1	1
15, 16, 17	**Construction industries**	58 543	47 114	147 815	17 153 875	44 940	43 815	2 521 183	13 603	3 299	147 815	14 632 692	1	1
15	**Building construction—General contractors and operative builders**	15 183	10 630	38 782	8 304 395	10 939	9 881	1 240 223	4 244	749	38 782	7 064 172	1	1
16	**Heavy construction other than building construction— contractors**	1 927	1 001	23 220	2 545 673	767	755	86 214	1 160	246	23 220	2 459 459	1	1
17	**Special trade contractors**	41 433	35 483	85 813	6 303 808	33 234	33 179	1 194 747	8 199	2 304	85 813	5 109 061	1	1
1711	Plumbing, heating, and air-conditioning	5 096	3 643	19 379	1 608 573	3 154	3 144	159 391	1 942	499	19 379	1 449 182	2	2
1731	Electrical work	3 472	2 473	16 633	1 106 190	2 254	2 236	84 239	1 218	237	16 633	1 021 951	1	1
6552	**Land subdividers and developers, n.e.c.[2]**	1 635	1 333	1 873	885 633	1 351	1 310	449 041	284	23	1 873	436 592	4	13
	1982													
	Construction industries and land subdividers and developers	30 145	23 005	106 130	8 055 144	20 019	19 575	974 152	10 126	3 430	106 130	7 080 992	1	1
15, 16, 17	**Construction industries**	29 395	22 546	104 853	7 816 511	19 436	19 129	843 992	9 959	3 417	104 853	6 972 519	1	1
15	**Building construction—General contractors and operative builders**	7 620	5 176	26 977	3 325 251	4 805	4 441	421 278	2 815	735	26 977	2 903 973	2	1
16	**Heavy construction other than building construction— contractors**	1 118	570	20 222	1 321 001	332	335	30 847	786	235	20 222	1 290 154	1	1
17	**Special trade contractors**	20 657	16 800	57 654	3 170 259	14 299	14 353	391 867	6 358	2 447	57 654	2 778 392	2	1
1711	Plumbing, heating, and air-conditioning	2 709	1 769	12 195	784 578	1 282	1 286	48 815	1 427	483	12 195	735 763	3	2
1731	Electrical work	1 757	1 124	11 688	659 953	927	913	27 092	830	211	11 688	632 861	2	2
6552	**Land subdividers and developers, n.e.c.[2]**	743	458	1 271	238 626	583	446	130 160	160	*12	1 271	108 466	6	7

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**60 192**	**48 455**	**149 698**	**18 039 517**	**46 291**	**45 125**	**2 970 224**	**13 901**	**3 330**	**149 698**	**15 069 293**	**1**	**1**
$10,000,000 or more	208	16	36 601	5 663 600	4	2	63 860	204	14	36 601	5 599 740	(W)	1
$5,000,000 to $9,999,999	295	20	17 014	1 984 846	11	7	74 709	284	13	17 014	1 910 137	1	2
$2,500,000 to $4,999,999	719	73	21 948	2 473 238	40	34	132 154	679	*39	21 948	2 341 084	1	4
$1,000,000 to $2,499,999	1 788	350	24 846	2 784 310	252	181	374 874	1 536	169	24 846	2 409 436	2	3
$500,000 to $999,999	2 431	721	16 068	1 691 223	629	446	431 261	1 802	275	16 068	1 259 962	4	4
$250,000 to $499,999	3 541	1 650	13 352	1 260 407	1 312	1 104	455 488	2 229	546	13 352	804 919	5	4
$100,000 to $249,999	(S)	(S)	(S)	(S)	3 777	3 513	588 753	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	5 092	4 943	360 588	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	6 747	6 685	239 042	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	28 427	28 210	249 495	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	10 684	10 627	173 622	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	6 931	6 881	50 765	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	4 631	4 583	17 013	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	6 181	6 119	8 095	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	**30 145**	**23 005**	**106 130**	**8 055 144**	**20 019**	**19 575**	**974 152**	**10 126**	**3 430**	**106 130**	**7 080 992**	**1**	**1**
$10,000,000 or more	95	16	19 636	2 261 643	3	2	36 823	92	14	19 636	2 224 820	(W)	(W)
$5,000,000 to $9,999,999	150	5	13 286	1 058 426	3	4	21 076	147	1	13 286	1 037 350	(W)	(W)
$2,500,000 to $4,999,999	295	22	13 165	1 028 429	17	18	56 930	278	4	13 165	971 499	(W)	(W)
$1,000,000 to $2,499,999	750	102	16 719	1 146 560	62	55	91 653	688	47	16 719	1 054 907	3	3
$500,000 to $999,999	1 220	276	13 251	833 525	159	116	106 875	1 061	160	13 251	726 650	4	4
$250,000 to $499,999	1 825	606	11 241	638 733	414	329	142 385	1 411	277	11 241	496 348	5	5
$100,000 to $249,999	3 750	2 094	10 916	586 133	1 208	1 067	184 988	2 542	1 027	10 916	401 145	4	4
$50,000 to $99,999	3 331	2 563	4 292	237 555	1 796	1 755	124 699	1 535	808	4 292	112 856	7	5
$25,000 to $49,999	3 767	3 203	1 922	133 367	2 703	2 695	94 257	1 064	508	1 922	39 110	7	6
Less than $25,000	14 961	14 117	1 700	130 770	13 654	13 534	114 466	1 307	583	1 700	16 304	6	5
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	4 993	4 950	77 335	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	3 811	3 784	26 067	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	3 191	3 168	9 405	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	1 659	1 632	1 659	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**13 901**	**149 698**	**118 942**	**2 822 054**	**1 973 385**	**199 598**	**14 405 566**	**10 341 232**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	2 058	8 816	6 854	118 356	80 929	9 956	(D)	632 254
1522	Other residential buildings	170	1 842	1 321	36 353	21 927	1 912	266 475	129 667
1531	Operative builders	1 056	5 754	2 760	141 359	49 368	4 381	(D)	(D)
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	214	5 219	4 097	104 672	69 443	6 875	674 156	381 653
1542	Nonresidential buildings, n.e.c.	746	17 151	12 683	380 182	228 534	22 910	3 286 314	1 421 898
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	325	8 121	6 909	161 419	119 911	14 123	913 408	763 334
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	21	1 212	936	26 237	17 949	2 107	122 850	95 045
1623	Water, sewer, and utility lines	337	7 813	6 768	153 284	118 731	13 001	846 225	742 634
1629	Heavy construction, n.e.c.	477	6 074	5 003	121 774	91 939	8 679	527 124	436 571
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	1 942	19 379	14 971	377 368	266 024	26 629	1 437 158	1 299 545
1721	Painting and paper hanging	541	4 142	3 651	70 732	56 021	5 548	183 033	171 118
1731	Electrical work	1 218	16 633	13 821	369 426	298 375	25 789	1 014 997	989 326
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	524	4 081	3 739	49 711	43 952	5 200	122 890	118 392
1742	Plastering, drywall, and insulation work	432	6 337	5 496	127 121	101 709	9 736	371 905	339 512
1743	Terrazzo, tile, marble, and mosaic work	147	827	679	15 919	11 764	1 306	47 297	45 735
175	Carpentry and floor work:								
1751	Carpentry	787	7 477	6 813	56 330	43 519	6 895	173 535	158 083
1752	Floor laying and other floor work	176	825	599	15 282	9 521	996	69 643	64 746
1761	Roofing, siding, and sheet metal work	547	6 156	5 074	107 505	80 377	7 968	361 902	337 455
1771	Concrete work	498	5 805	4 944	94 367	72 292	7 491	349 706	323 045
1781	Water well drilling	60	384	291	5 857	4 623	581	24 045	23 551
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	144	2 443	2 042	52 568	41 127	3 313	188 780	180 469
1793	Glass and glazing work	136	1 237	897	28 001	16 662	1 565	101 860	100 831
1794	Excavation work	256	1 868	1 632	35 747	27 361	2 416	128 976	116 290
1795	Wrecking and demolition work	*14	198	166	3 261	2 560	255	13 068	(D)
1796	Installing building equipment, n.e.c.	136	1 824	1 516	48 147	38 367	3 049	143 324	136 631
1799	Special trade contractors, n.e.c.	641	6 197	4 993	76 009	55 490	6 480	302 106	270 827
6552	**Land subdividers and developers, n.e.c.**	**284**	**1 873**	**273**	**45 053**	**4 902**	**426**	**251 963**	**105 320**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††	B	H	M	
I	J	K	L	M	N	O	P	Q				
5 963 428	**4 657 453**	**4 064 334**	**179 082**	**248 622**	**1 713 231**	**106 130**	**6 853 334**	**2 846 983**	**1**	**1**	**3**	
												15, 16, 17
												15
												152
308 826	338 535	(D)	5 067	6 413	72 346	6 690	425 274	156 981	5	6	10	1521
88 981	52 860	136 808	1 741	1 493	10 892	1 973	328 176	58 447	7	6	15	1522
408 852	581 902	(D)	7 092	(D)	(D)	3 336	376 455	111 915	4	(D)	(D)	1531
												154
240 091	162 513	292 503	5 960	7 011	40 680	3 979	390 692	96 888	3	3	11	1541
765 438	684 955	1 864 416	28 547	13 781	93 382	10 999	1 295 132	298 130	2	2	10	1542
												16
417 591	375 112	150 073	18 196	43 189	313 726	6 615	498 107	218 026	3	2	6	1611
												162
54 093	(D)	27 805	1 770	3 374	31 946	1 364	80 686	38 799	3	3	8	1622
508 260	240 981	103 591	21 336	36 275	212 156	7 823	378 293	194 825	2	2	8	1623
267 658	175 791	90 553	15 994	15 531	124 631	4 420	290 185	150 808	3	3	14	1629
												17
680 239	631 329	137 612	18 792	22 846	157 673	12 195	728 023	319 918	2	2	5	1711
128 760	43 526	11 914	2 112	2 613	11 862	3 708	108 258	77 525	6	4	28	1721
591 669	404 611	25 670	12 452	16 005	81 630	11 688	620 470	375 395	1	1	13	1731
												174
81 550	(D)	4 498	2 341	2 893	12 295	3 066	71 342	42 821	5	4	18	1741
205 098	144 684	32 393	3 789	3 633	25 540	4 984	195 091	104 694	3	3	11	1742
25 821	20 059	1 562	300	975	5 292	622	28 640	15 209	6	6	28	1743
												175
97 090	64 023	15 451	2 450	3 029	13 293	2 826	86 083	43 521	3	7	18	1751
33 805	33 267	4 896	664	784	*22 805	764	46 966	20 687	8	10	24	1752
200 241	141 032	24 446	3 945	7 003	55 834	4 937	210 313	105 089	4	4	10	1761
195 278	132 203	26 661	6 610	11 898	69 324	3 118	122 317	66 376	4	4	16	1771
12 573	12 125	494	*436	1 668	10 278	404	25 152	14 094	9	12	20	1781
												179
123 074	62 654	8 310	4 535	1 481	28 649	1 237	55 466	44 071	4	2	18	1791
49 726	54 905	1 029	1 197	1 192	7 454	739	46 330	25 507	5	6	18	1793
88 334	29 422	12 685	4 802	4 102	56 746	2 026	119 516	77 475	8	8	21	1794
11 652	1 050	(D)	687	(D)	(D)	102	3 128	2 633	3	(D)	(D)	1795
103 427	38 131	6 692	2 701	2 304	12 077	1 991	114 251	75 491	3	5	12	1796
174 610	108 062	31 278	4 282	5 274	30 245	3 247	142 296	84 135	4	6	22	1799
100 674	**37 310**	**146 643**	**1 272**	**16 835**	**75 220**	**1 271**	**66 688**	**27 513**	**4**	**16**	**25**	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	13 901	10 126	10 928	12 842	1	2	2	3
Proprietors and working partners	3 330	3 430	6 194	9 016	4	4	4	4
All employees**	149 698	106 130	100 599	113 318	1	1	1	2
Construction workers:								
March	113 644	85 126	78 290	88 322	1	1	1	2
May	119 952	87 926	87 454	94 003	1	1	1	2
August	124 721	91 469	92 234	103 611	1	1	1	2
November	117 453	85 054	87 830	97 533	1	1	1	2
Average	118 942	88 225	86 505	97 149	1	1	1	2
Other employees:								
March	30 509	17 638	13 589	15 235	1	2	2	2
May	30 316	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
August	31 221	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
November	30 975	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Average	30 755	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	45 652	34 149	(NA)	(NA)	1	1	(NA)	(NA)
April to June	50 847	36 713	(NA)	(NA)	1	1	(NA)	(NA)
July to September	53 132	38 894	(NA)	(NA)	1	1	(NA)	(NA)
October to December	49 966	35 781	(NA)	(NA)	1	1	(NA)	(NA)
Total hours worked	199 598	145 539	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	2 822 054	1 548 390	1 000 898	828 595	(W)	1	1	2
Payroll, construction workers	1 973 385	1 186 662	788 355	659 274	1	1	1	2
Payroll, other employees	848 669	361 728	212 543	169 321	1	1	1	2
First quarter payroll, all employees	633 141	351 394	208 261	(NA)	1	1	1	(NA)
Employer costs for fringe benefits, all employees	515 576	274 710	158 295	(NA)	1	1	1	(NA)
Legally required expenditures	366 502	212 538	105 325	(NA)	1	1	1	(NA)
Voluntary expenditures	149 074	62 172	52 971	(NA)	1	1	1	(NA)
Dollar value of business done	15 069 293	7 080 992	4 379 392	3 780 175	1	1	1	2
Value of construction work[1]	14 405 566	6 853 334	4 216 749	3 640 474	1	1	1	2
Value of construction work subcontracted in from others	3 325 502	1 554 665	929 059	722 806	2	4	(W)	(W)
Land receipts[2]	384 078	85 988	(NA)	(NA)	6	2	(NA)	(NA)
Other business receipts	279 649	141 669	162 642	139 701	3	2	4	6
Net value of construction†	10 341 232	5 003 363	3 219 980	2 694 348	1	1	1	2
Value added††	5 963 428	2 846 983	1 759 556	1 491 009	1	1	1	2
Selected costs	8 721 787	4 148 020	2 556 326	2 227 288	1	1	1	2
Materials, components, and supplies[3]	4 442 219	2 159 180	1 478 239	1 281 162	1	1	1	2
Construction work subcontracted to others	4 064 334	1 849 971	996 769	946 126	1	1	2	2
Selected power, fuels, and lubricants	215 234	138 868	81 318	(NA)	1	2	1	(NA)
Electricity	32 302	18 040	9 430	(NA)	2	2	2	(NA)
Natural gas	10 427	5 826	3 833	(NA)	4	2	4	(NA)
Gasoline and diesel fuel	159 013	105 824	57 984	(NA)	1	2	1	(NA)
On highway use	115 799	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Off highway use	43 214	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	13 490	9 177	10 075	(NA)	3	3	3	(NA)
Rental cost for machinery, equipment, and buildings	179 082	77 150	47 550	(NA)	2	2	2	(NA)
For machinery and equipment	123 799	60 500	39 610	34 693	2	2	2	5
For buildings	55 282	16 649	7 940	(NA)	2	3	3	(NA)
Selected purchased services	204 004	111 332	92 593	(NA)	1	1	3	(NA)
Communication services	54 286	27 203	21 549	(NA)	2	2	5	(NA)
Repairs to buildings and other structures	11 702	5 127	3 550	(NA)	4	3	4	(NA)
Repairs to machinery and equipment	138 015	79 001	67 495	(NA)	2	1	3	(NA)
Ownership of construction projects:								
Value of construction work	14 405 566	6 853 334	4 216 749	3 640 474	1	1	1	2
Government owned	2 327 982	1 504 343	1 079 064	906 834	2	2	1	2
Federal	784 080	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
State and local	1 543 901	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Privately owned	12 077 584	5 348 991	3 137 685	2 733 640	1	1	1	2

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	1 539 195	1 128 324	2	2
Capital expenditures, other than land	248 622	118 169	3	2
New	195 776	85 161	3	2
Used	52 846	33 008	7	4
Retirements and disposition of depreciable assets	74 587	72 032	9	3
End-of-year gross book value of depreciable assets	1 713 231	1 174 461	2	1
Depreciation charges during year	218 769	157 816	3	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	361 428	214 512	5	3
Capital expenditures, other than land	46 222	20 514	11	2
New buildings and other structures	35 471	17 693	14	1
Used buildings and other structures	10 750	2 821	16	9
Retirements and disposition of depreciable assets	18 126	28 404	23	1
End-of-year gross book value of depreciable assets	389 524	206 622	5	3
Depreciation charges during year	31 807	21 398	5	7
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	1 177 767	913 812	2	2
Capital expenditures, other than land	202 400	97 655	3	2
New machinery and equipment, including automobiles and trucks	160 304	67 468	3	3
New automobiles and trucks, intended primarily for highway use	73 086	26 658	3	3
Used machinery and equipment, including automobiles and trucks	42 095	30 187	7	3
Retirements and disposition of depreciable assets	56 460	43 627	7	6
End-of-year gross book value of depreciable assets	1 323 706	967 839	2	1
Depreciation charges during year	186 961	136 417	3	2

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	13 901	1
Value of construction work	14 405 566	1
Establishments with inventories:		
Number	4 807	3
Value of construction work	6 280 633	2
Inventories[1]:		
End of 1987, materials and supplies	174 713	13
End of 1986, materials and supplies	123 946	5
Establishments with no inventories:		
Number	6 687	2
Value of construction work	5 551 779	2
Establishments not reporting:		
Number	2 407	5
Value of construction work	2 573 154	2

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	13 901	7 779	2 889	1 717	1 005	328	147	27	5	3
All employees**	149 698	16 182	18 803	22 697	29 781	22 073	21 248	8 622	3 120	7 169
Payroll, all employees	2 822 054	232 546	293 807	398 813	606 354	465 086	467 264	216 201	141 980	(D)
Construction worker hours (thousands)	199 598	18 575	21 962	29 983	41 267	32 980	32 251	12 715	3 584	6 277
Dollar value business done	15 069 293	1 988 343	1 652 580	1 860 920	2 749 579	2 213 336	2 323 686	1 647 793	633 054	(D)
Value of construction work[1]	14 405 566	1 811 183	1 544 123	1 768 567	2 668 625	2 168 218	2 248 734	2 196 115	(D)	(D)
Net value of construction work†	10 341 232	1 311 584	1 188 324	1 383 999	2 057 273	1 554 488	1 486 582	1 358 981	(D)	(D)
Value added††	5 963 428	678 480	656 234	776 809	1 215 484	897 086	902 035	444 818	392 480	(D)
Cost of materials, components, supplies, and fuels	4 657 453	665 196	562 874	639 662	886 689	686 434	1 041 411	(D)	175 186	(D)
Cost of construction work subcontracted to others	4 064 334	499 599	355 798	384 567	611 351	613 730	762 152	837 134	(D)	(D)
Rental cost for machinery, equipment, and buildings	179 082	13 989	17 493	21 028	39 295	28 259	30 919	20 880	7 217	(D)
Capital expenditures, other than land	248 622	31 274	29 153	35 625	54 444	30 983	42 421	24 721	(D)	(D)
End-of-year gross book value of depreciable assets	1 713 231	243 194	205 679	234 325	323 408	262 673	283 441	100 240	60 268	(D)
1982										
All employees**	106 130	12 016	13 156	15 730	22 584	15 448	13 969	5 487	7 740	(D)
Value of construction work[1]	6 853 334	646 483	661 353	892 923	1 395 824	1 295 228	1 074 606	428 108	458 809	(D)
Value added††	2 846 983	275 372	306 626	390 479	602 288	488 517	401 733	177 975	203 991	(D)
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	2	4	3	2	1	(W)	(W)	(W)	(W)
Net value of construction work†	1	4	4	3	1	(W)	(W)	(W)	(D)	(D)
Capital expenditures, other than land	3	16	14	10	5	2	(W)	(W)	(D)	(D)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	13 901	(S)	(S)	(S)	(S)	2 229	1 802	1 536	679	284	204
All employees**	149 698	(S)	(S)	(S)	(S)	13 352	16 068	24 846	21 948	17 014	36 601
Payroll, all employees	2 822 054	(S)	(S)	(S)	(S)	196 659	279 971	484 060	481 482	389 351	784 566
Construction worker hours (thousands)	199 598	(S)	(S)	(S)	(S)	17 552	20 669	33 651	31 558	25 636	48 270
Dollar value of business done	15 069 293	(S)	(S)	(S)	(S)	804 919	1 259 962	2 409 436	2 341 084	1 910 137	5 599 740
Value of construction work[1]	14 405 566	(S)	(S)	(S)	(S)	779 293	1 211 590	2 279 834	2 211 791	1 832 876	5 364 525
Net value of construction work†	10 341 232	(S)	(S)	(S)	(S)	670 113	1 006 867	1 811 698	1 660 113	1 348 582	3 189 410
Value added††	5 963 428	(S)	(S)	(S)	(S)	395 157	548 567	1 004 684	985 344	775 469	1 858 604
Cost of materials, components, supplies, and fuels	4 657 453	(S)	(S)	(S)	(S)	285 559	477 976	859 101	720 952	594 837	1 450 130
Cost of construction work subcontracted to others	4 064 334	(S)	(S)	(S)	(S)	109 179	204 723	468 136	551 677	484 294	2 175 114
Rental cost for machinery, equipment, and buildings	179 082	(S)	(S)	(S)	(S)	10 932	14 760	26 405	29 092	28 445	60 195
Capital expenditures, other than land	248 622	(S)	(S)	(S)	(S)	17 855	24 752	48 506	41 445	37 066	62 818
End-of-year gross book value of depreciable assets	1 713 231	(S)	(S)	(S)	(S)	141 693	189 361	330 563	260 408	231 362	431 117
1982											
All employees**	106 130	1 700	1 922	4 292	10 916	11 241	13 251	16 719	13 165	13 286	19 636
Value of construction work[1]	6 853 334	15 810	38 468	110 544	392 382	482 380	706 772	1 019 972	942 184	1 004 643	2 140 177
Value added††	2 846 983	8 740	20 938	57 571	194 238	235 663	314 082	458 957	398 117	443 018	715 656
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	(S)	5	4	2	1	1	(W)
Net value of construction work†	1	(S)	(S)	(S)	(S)	4	4	3	3	2	1
Capital expenditures, other than land	3	(S)	(S)	(S)	(S)	15	11	12	7	6	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**14 405 566**	**10 360 446**	**2 230 994**	**1 071 999**	**1**	**1**	**1**	**2**
Building construction	**10 745 699**	**8 139 339**	**1 749 321**	**749 205**	**1**	**1**	**2**	**2**
Single-family houses	3 333 517	2 833 268	299 035	201 213	3	3	5	6
Single-family houses, detached	3 047 546	2 586 730	282 169	178 645	3	3	6	6
Single-family houses, attached	285 971	246 537	16 866	22 587	7	7	12	18
Apartment buildings with two or more apartments	502 407	423 539	40 623	38 245	3	3	11	9
Other residential buildings, including hotels and motels	285 828	215 283	42 568	27 976	3	3	7	10
Hotels and motels	194 327	153 686	25 051	15 589	2	2	7	8
Other residential buildings, excluding hotels and motels	91 501	61 597	17 517	12 386	9	10	14	21
Office buildings	1 875 891	1 443 904	334 778	97 208	1	1	3	3
Other commercial buildings such as stores, restaurants, and automobile service stations	1 643 171	1 262 665	262 848	117 657	2	2	5	5
Industrial buildings and warehouses	1 594 844	1 055 289	355 935	183 619	1	2	2	3
Industrial buildings	1 196 979	738 516	303 496	154 966	1	2	2	2
Warehouses	397 864	316 772	52 439	28 652	4	4	5	16
Religious buildings	157 621	101 119	42 868	13 632	5	6	9	33
Educational buildings	418 438	263 400	139 189	15 849	3	2	6	4
Hospitals and institutional buildings	440 250	249 250	166 013	24 986	2	1	4	8
Amusement, social, and recreational buildings	105 636	69 114	32 457	4 063	3	4	3	17
Other nonresidential buildings	280 262	222 508	33 007	24 757	6	7	16	14
Land development for buildings	107 834	(NA)	(NA)	(NA)	15	(NA)	(NA)	(NA)
Nonbuilding construction	**3 025 574**	**2 221 107**	**481 673**	**322 793**	**1**	**1**	**1**	**3**
Highways, streets, and related facilities	940 915	594 490	245 121	101 303	2	2	1	4
Outdoor swimming pools	96 530	83 325	7 952	5 252	16	18	36	9
Parking areas including private driveways	113 775	79 762	20 505	13 507	9	9	10	10
Bridges, tunnels, and elevated highways	141 113	111 779	27 270	2 063	3	3	1	5
Tunnels	6 453	(D)	(D)	(D)	15	(D)	(D)	(D)
Bridges and elevated highways	134 659	(D)	(D)	(D)	3	(D)	(D)	(D)
Power and communication transmission lines, towers, and related facilities	284 487	200 476	55 977	28 033	3	4	3	5
Sewers, water mains, and related facilities	323 408	282 112	23 785	17 510	4	4	6	8
Sewers, sewer lines, and related facilities	184 898	164 896	11 858	8 143	4	4	5	12
Water mains and related facilities	138 510	117 215	11 926	9 367	5	6	9	8
Pipeline, other than sewer or water lines	356 660	281 846	10 953	63 859	1	1	6	3
Blast furnaces, petroleum refineries, and chemical complexes	52 939	30 184	11 441	11 313	3	3	1	8
Power plants	134 975	110 368	9 254	15 352	1	(W)	12	2
Sewage treatment and water treatment plants	120 936	92 445	24 162	4 328	4	4	3	11
Sewage treatment plants	73 438	53 118	17 134	3 185	3	3	2	8
Water treatment plants	47 498	39 326	7 028	1 143	8	7	10	34
Earthmoving, nonbuilding	99 238	86 967	6 913	5 357	11	12	16	16
Other nonbuilding construction	360 598	267 354	38 340	54 916	10	13	16	17
Construction work, n.s.k.	**634 293**	**(NA)**	**(NA)**	**(NA)**	**4**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**6 853 334**	**5 794 013**	**(NA)**	**1 059 321**	**1**	**1**	**(NA)**	**2**
Building construction	**4 832 244**	**4 180 873**	**(NA)**	**651 371**	**1**	**1**	**(NA)**	**2**
Single-family houses	1 190 947	1 006 573	(NA)	184 373	3	3	(NA)	5
Single-family houses, detached	1 004 089	840 977	(NA)	163 111	3	3	(NA)	5
Single-family houses, attached	186 858	165 596	(NA)	21 261	5	6	(NA)	9
Apartment buildings with two or more apartments	323 485	277 913	(NA)	45 571	2	2	(NA)	12
Other residential buildings, including hotels and motels	289 713	273 313	(NA)	16 399	2	1	(NA)	9
Office buildings	950 667	865 700	(NA)	84 966	1	1	(NA)	2
Other commercial buildings such as stores, restaurants, and automobile service stations	490 027	435 477	(NA)	54 550	2	2	(NA)	5
Industrial buildings and warehouses	965 609	765 664	(NA)	199 945	1	1	(NA)	2
Industrial buildings	715 387	540 552	(NA)	174 834	1	1	(NA)	3
Warehouses	250 222	225 111	(NA)	25 111	3	2	(NA)	6
Religious buildings	62 275	51 952	(NA)	10 323	5	5	(NA)	5
Educational buildings	204 185	180 989	(NA)	23 195	3	3	(NA)	6
Hospitals and institutional buildings	240 747	220 118	(NA)	20 628	2	2	(NA)	4
Amusement, social, and recreational buildings	35 667	32 192	(NA)	3 475	6	7	(NA)	13
Other nonresidential buildings	78 922	70 982	(NA)	7 946	5	5	(NA)	6
Nonbuilding construction	**1 529 077**	**1 215 140**	**(NA)**	**313 936**	**1**	**1**	**(NA)**	**2**
Highways, streets, and related facilities	526 863	367 225	(NA)	159 638	1	1	(NA)	2
Bridges, tunnels, and elevated highways	72 538	67 735	(NA)	4 802	1	(W)	(NA)	17
Tunnels	4 968	2 827	(NA)	2 140	18	11	(NA)	39
Bridges and elevated highways	67 570	64 908	(NA)	2 662	(W)	(W)	(NA)	(W)
Marine construction	32 236	21 587	(NA)	10 648	3	4	(NA)	6
Power and communication transmission lines, towers, and related facilities	223 247	203 568	(NA)	19 679	2	2	(NA)	11
Sewers, water mains, and related facilities	178 910	161 538	(NA)	17 372	4	4	(NA)	6
Sewers, sewer lines, and related facilities	111 540	103 742	(NA)	7 797	6	6	(NA)	7
Water mains and related facilities	67 370	57 795	(NA)	9 574	5	5	(NA)	8
Pipeline, other than sewer or water lines	61 274	46 595	(NA)	14 679	5	7	(NA)	7
Mass transit construction	59 992	46 055	(NA)	13 937	5	4	(NA)	14
Subways	25 052	24 655	(NA)	397	2	2	(NA)	(W)
Railroads	34 939	21 399	(NA)	13 539	9	9	(NA)	15
Blast furnaces, petroleum refineries, and chemical complexes	25 185	20 767	(NA)	4 418	6	5	(NA)	7
Power plants	139 220	106 905	(NA)	32 315	1	(W)	(NA)	3
Power plants, nuclear	37 132	30 767	(NA)	6 365	3	(W)	(NA)	16
Power plants, except nuclear	102 087	76 137	(NA)	25 949	(W)	1	(NA)	(W)
Sewage treatment and water treatment plants	65 630	61 549	(NA)	4 081	2	2	(NA)	3
Sewage treatment plants	43 520	42 318	(NA)	1 202	3	3	(NA)	7
Water treatment plants	22 110	19 231	(NA)	2 878	1	2	(NA)	3
Other nonbuilding construction	143 981	111 616	(NA)	32 367	20	24	(NA)	14
Construction work, n.s.k.	**492 012**	**397 999**	**(NA)**	**94 013**	**4**	**4**	**(NA)**	**3**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**13 901**	**118 942**	**199 598**	**113 644**	**45 652**	**119 952**	**50 847**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	2 058	6 854	9 956	6 739	2 369	7 043	2 642
1522	Other residential buildings	170	1 321	1 912	1 447	534	1 416	525
1531	Operative builders	1 056	2 760	4 381	2 797	1 052	2 954	1 173
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	214	4 097	6 875	3 979	1 557	4 076	1 731
1542	Nonresidential buildings, n.e.c.	746	12 683	22 910	12 502	5 492	12 654	5 796
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	325	6 909	14 123	5 916	2 616	6 943	3 668
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	21	936	2 107	783	474	951	577
1623	Water, sewer, and utility lines	337	6 768	13 001	5 852	2 739	7 157	3 291
1629	Heavy construction, n.e.c.	477	5 003	8 679	4 926	2 026	5 115	2 285
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	1 942	14 971	28 629	14 820	6 450	15 056	6 697
1721	Painting and paper hanging	541	3 651	5 548	3 342	1 232	3 842	1 474
1731	Electrical work	1 218	13 821	25 789	13 403	6 074	13 370	6 327
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	524	3 739	5 200	3 447	1 045	3 704	1 342
1742	Plastering, drywall, and insulation work	432	5 496	9 736	5 316	2 292	5 477	2 510
1743	Terrazzo, tile, marble, and mosaic work	147	679	1 306	695	320	686	320
175	Carpentry and floor work:							
1751	Carpentry	787	6 813	6 895	6 225	1 536	6 874	1 722
1752	Floor laying and other floor work	176	599	996	612	247	610	245
1761	Roofing, siding, and sheet metal work	547	5 074	7 968	4 987	1 858	5 070	2 081
1771	Concrete work	498	4 944	7 491	4 506	1 521	5 010	1 915
1781	Water well drilling	60	291	581	287	140	311	147
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	144	2 042	3 313	1 985	828	1 990	773
1793	Glass and glazing work	136	897	1 565	883	378	915	403
1794	Excavation work	256	1 632	2 416	1 541	538	1 650	629
1795	Wrecking and demolition work	*14	166	255	153	56	169	64
1796	Installing building equipment, n.e.c.	136	1 516	3 049	1 537	703	1 433	717
1799	Special trade contractors, n.e.c.	641	4 993	6 480	4 693	1 465	5 192	1 668
6552	**Land subdividers and developers, n.e.c.**	**284**	**273**	**426**	**258**	**96**	**272**	**112**

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
124 721	**53 132**	**117 453**	**49 966**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	
														15, 16, 17
														15
														152
7 099	2 581	6 536	2 362	5	6	5	7	5	7	5	6	6	7	1521
1 299	442	1 121	410	8	14	8	12	8	12	9	15	10	16	1522
2 844	1 170	2 445	984	4	7	5	7	5	7	5	7	5	7	1531
														154
4 260	1 820	4 075	1 765	3	5	3	5	4	5	3	5	3	5	1541
13 414	6 045	12 163	5 576	2	3	2	3	2	3	2	3	2	3	1542
														16
7 534	4 067	7 244	3 770	3	3	2	3	2	3	3	3	3	3	1611
														162
														1622
1 043	539	967	517	3	7	4	7	3	7	2	8	3	8	
6 642	3 389	7 422	3 580	2	4	3	5	2	4	2	3	2	4	1623
5 093	2 245	4 879	2 123	3	4	3	3	3	4	3	4	4	4	1629
														17
15 709	7 056	14 302	6 425	2	3	2	3	2	3	2	3	2	3	1711
3 943	1 511	3 478	1 330	6	6	6	6	6	7	6	6	6	7	1721
14 446	6 734	14 065	6 653	1	2	1	2	1	2	2	2	2	2	1731
														174
														1741
4 188	1 529	3 621	1 283	5	8	5	7	5	9	7	11	6	9	
5 856	2 535	5 333	2 398	3	4	3	3	3	4	4	4	4	4	1742
699	352	636	312	6	8	7	8	6	9	6	8	6	8	1743
														175
7 135	1 882	7 018	1 753	3	6	3	7	3	6	4	7	3	6	1751
636	251	538	251	9	10	9	10	9	11	10	11	11	13	1752
5 100	2 039	5 138	1 988	4	4	4	5	4	5	4	5	4	5	1761
5 278	2 116	4 980	1 937	4	6	5	6	5	6	4	6	4	6	1771
302	151	266	143	10	15	12	16	10	16	10	14	10	15	1781
														179
2 130	874	2 061	837	4	5	3	5	5	6	4	5	7	8	1791
932	403	860	380	5	6	4	6	5	7	5	7	6	7	1793
1 730	656	1 606	591	8	11	8	10	8	12	9	11	8	10	1794
171	64	174	69	7	5	5	5	9	8	9	5	4	4	1795
1 490	772	1 603	855	3	6	3	5	3	5	3	6	3	7	1796
5 436	1 778	4 651	1 566	4	6	4	7	4	6	5	6	5	7	1799
304	**119**	**258**	**97**	**12**	**14**	**13**	**14**	**13**	**18**	**12**	**14**	**12**	**11**	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**10.8**	**18.9**	**1 678.1**	**121.1**	**.196**	**.323**	**.282**	**.012**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4.3	13.4	1 452.6	(D)	(D)	(D)	(D)	(D)
1522	Other residential buildings	10.8	19.7	1 447.4	201.7	.136	.198	.513	.007
1531	Operative builders	5.4	24.6	(S)	(D)	(D)	(D)	(D)	(D)
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	24.4	20.1	1 678.1	164.5	.155	.241	.434	.009
1542	Nonresidential buildings, n.e.c.	23.0	22.2	1 806.4	259.1	.116	.208	.567	.009
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	25.0	19.9	2 044.1	132.2	.177	.411	.164	.020
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	57.7	21.6	2 251.1	131.3	.214	(D)	.226	.014
1623	Water, sewer, and utility lines	23.2	19.6	1 921.0	125.0	.181	.285	.122	.025
1629	Heavy construction, n.e.c.	12.7	20.0	1 734.8	105.4	.231	.333	.172	.030
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	10.0	19.5	1 778.7	96.0	.263	.439	.096	.013
1721	Painting and paper hanging	7.7	17.1	1 519.6	50.1	.386	.238	.065	.012
1731	Electrical work	13.7	22.2	1 865.9	79.4	.364	.399	.025	.012
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	7.8	12.2	1 390.7	32.9	.405	(D)	.037	.019
1742	Plastering, drywall, and insulation work	14.7	20.1	1 771.5	67.7	.342	.389	.087	.010
1743	Terrazzo, tile, marble, and mosaic work	5.6	19.2	1 923.4	69.7	.337	.424	.033	.006
175	Carpentry and floor work:								
1751	Carpentry	9.5	7.5	1 012.0	25.5	.325	.369	.089	.014
1752	Floor laying and other floor work	4.7	18.5	1 662.8	116.3	.219	.478	.070	.010
1761	Roofing, siding, and sheet metal work	11.3	17.5	1 570.4	71.3	.297	.390	.068	.011
1771	Concrete work	11.7	16.3	1 515.2	70.7	.270	.378	.076	.019
1781	Water well drilling	6.4	15.3	1 996.6	82.6	.244	.504	.021	*.018
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	17.0	21.5	1 622.4	92.4	.278	.332	.044	.024
1793	Glass and glazing work	9.1	22.6	1 744.7	113.6	.275	.539	.010	.012
1794	Excavation work	7.3	19.1	1 480.4	79.0	.277	.228	.098	.037
1795	Wrecking and demolition work	*14.1	16.5	1 536.1	78.7	.250	.080	(D)	.053
1796	Installing building equipment, n.e.c.	13.4	26.4	2 011.2	94.5	.336	.266	.047	.019
1799	Special trade contractors, n.e.c.	9.7	12.3	1 297.8	60.5	.252	.358	.104	.014
6552	**Land subdividers and developers, n.e.c.**	6.6	**24.1**	**1 560.4**	**922.9**	**.179**	**.148**	**.582**	**.005**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	ATLANTA, GA MSA											
	Construction industries and land subdividers and developers	**7 053**	**92 504**	1 884 597	**9 949 326**	6 909 330	3 **987 429**	3 **091 612**	**3 039 996**	**138 513**	**1**	1
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	891	4 257	64 090	445 635	309 132	156 479	159 276	136 503	3 072	7	8
1522	Other residential buildings	79	1 132	25 382	164 970	88 752	63 047	36 254	76 219	1 112	6	7
1531	Operative builders	734	4 645	119 940	1 320 257	780 387	345 396	474 **960**	539 870	13 668	4	6
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	102	2 417	55 389	407 058	221 788	139 771	89 201	185 270	1 685	5	4
1542	Nonresidential buildings, n.e.c.	399	10 931	271 485	2 526 549	1 015 318	549 769	491 253	1 511 231	6 706	2	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	150	4 116	88 225	473 450	393 383	206 469	204 505	80 067	23 837	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	12	840	19 144	93 618	70 601	31 **906**	(D)	23 017	1 543	(W)	(W)
1623	Water, sewer, and utility lines	192	4 656	94 433	612 834	542 751	374 **951**	174 130	70 083	25 636	3	2
1629	Heavy construction, n.e.c.	208	3 559	71 621	311 697	263 549	156 499	109 888	48 149	5 564	3	3
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	964	11 079	237 929	912 586	811 665	424 904	393 495	100 920	13 305	2	2
1721	Painting and paper hanging	262	2 721	53 743	136 203	127 154	96 147	31 470	9 049	*1 353	7	4
1731	Electrical work	670	11 237	271 707	727 048	710 415	429 551	282 846	16 633	8 513	1	1
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	191	2 207	29 611	76 069	73 707	48 756	(D)	2 362	1 968	7	5
1742	Plastering, drywall, and insulation work	236	3 698	76 220	227 114	205 297	125 732	86 203	21 817	2 456	4	4
1743	Terrazzo, tile, marble, and mosaic work	69	603	12 973	35 741	34 538	20 464	(D)	1 204	689	6	6
175	Carpentry and floor work:											
1751	Carpentry	425	6 111	38 994	111 875	99 891	61 591	40 686	11 984	1 570	3	7
1752	Floor laying and other floorwork	85	560	12 031	57 192	53 077	28 064	27 207	4 115	(D)	8	12
1761	Roofing, siding, and sheet metal work	223	3 256	66 763	211 636	195 368	120 328	76 186	16 268	3 236	5	5
1771	Concrete work	242	3 556	63 305	232 236	213 036	124 314	91 751	19 200	5 803	4	4
1781	Water well drilling	8	31	(D)	1 742	(D)	*1 186	556	(D)	-	25	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	68	1 956	43 990	166 396	159 764	108 797	54 387	6 632	1 143	4	2
1793	Glass and glazing work	75	787	19 370	73 683	72 969	35 312	38 337	714	874	5	4
1794	Excavation work	148	1 336	27 480	93 610	84 536	66 148	19 742	9 074	2 334	9	9
1795	Wrecking and demolition work	*11	174	(D)	11 231	(D)	10 056	*848	(D)	(D)	7	(D)
1796	Installing building equipment, n.e.c.	67	1 363	37 593	112 576	106 997	79 239	31 262	5 579	1 453	2	6
1799	Special trade contractors, n.e.c.	321	4 315	51 738	204 175	181 105	118 731	69 985	23 069	3 428	5	6
6552	**Land subdividers and developers, n.e.c.**	**222**	961	28 **202**	**202 145**	82 **108**	63 **823**	**29 109**	**120 037**	*6 **519**	8	**20**

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Maryland. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 34,694 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $19.6 billion in total value of business done.

Most of the 34,694 construction establishments were small. Of the total, 22,191 were nonemployers, and over half of the employer establishments had less than 5 employees. The 6,210 construction establishments with 5 employees or more, while representing only 18 percent of all establishments, accounted for more than 83 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $17.5 billion on total dollar value of business done. Of this amount, $16.5 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $4.8 billion, leaving net value of construction work of $11.7 billion. In addition, these establishments paid out $4.9 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $7.7 billion. (See Introduction and appendixes for explanation of terms.)

There were 12,503 establishments with total employment averaging 160,612 during the year. Total payroll for 1987 was $3.5 billion. Total hours worked by construction workers during the year were 215 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 22,191 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $2.1 billion. Most of these establishments, about 75 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

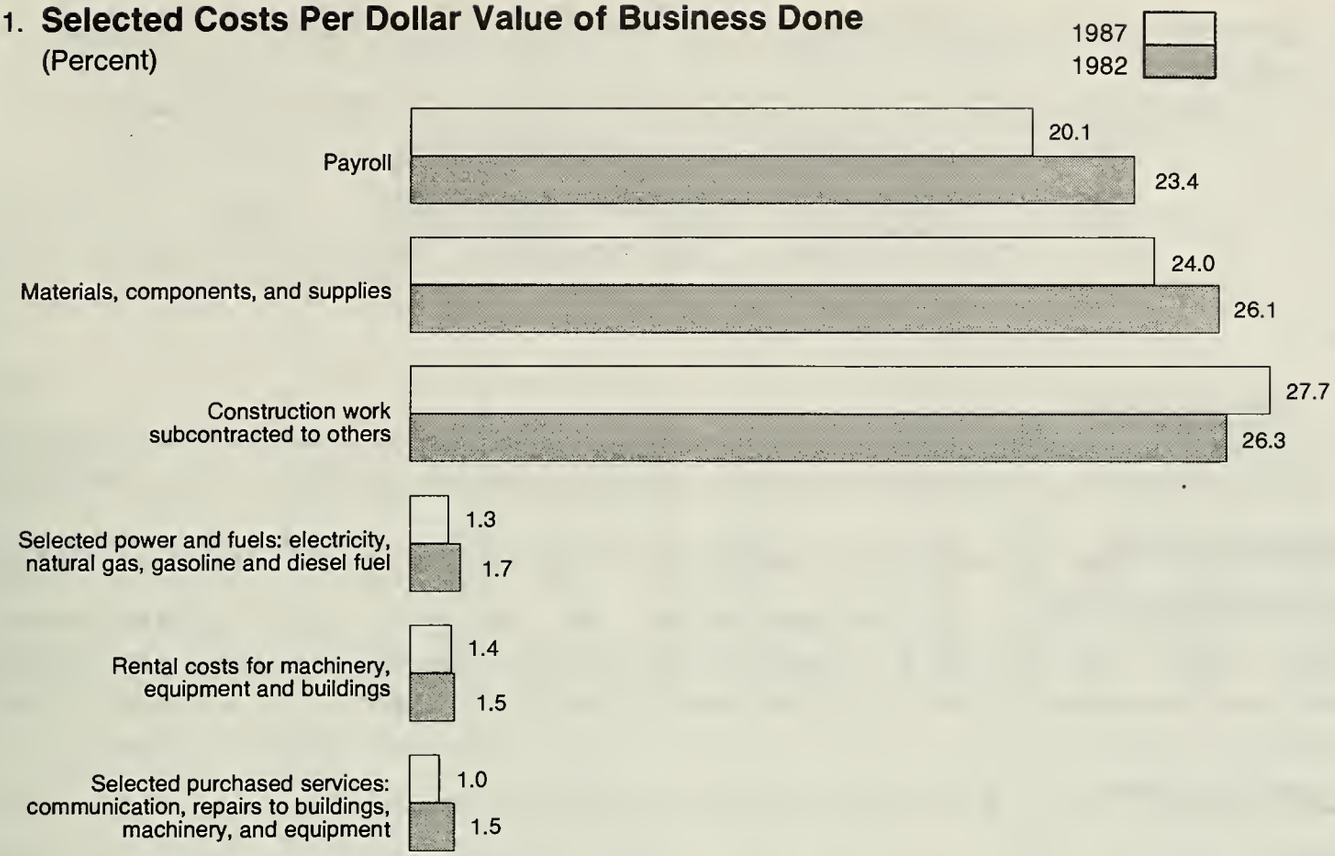


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

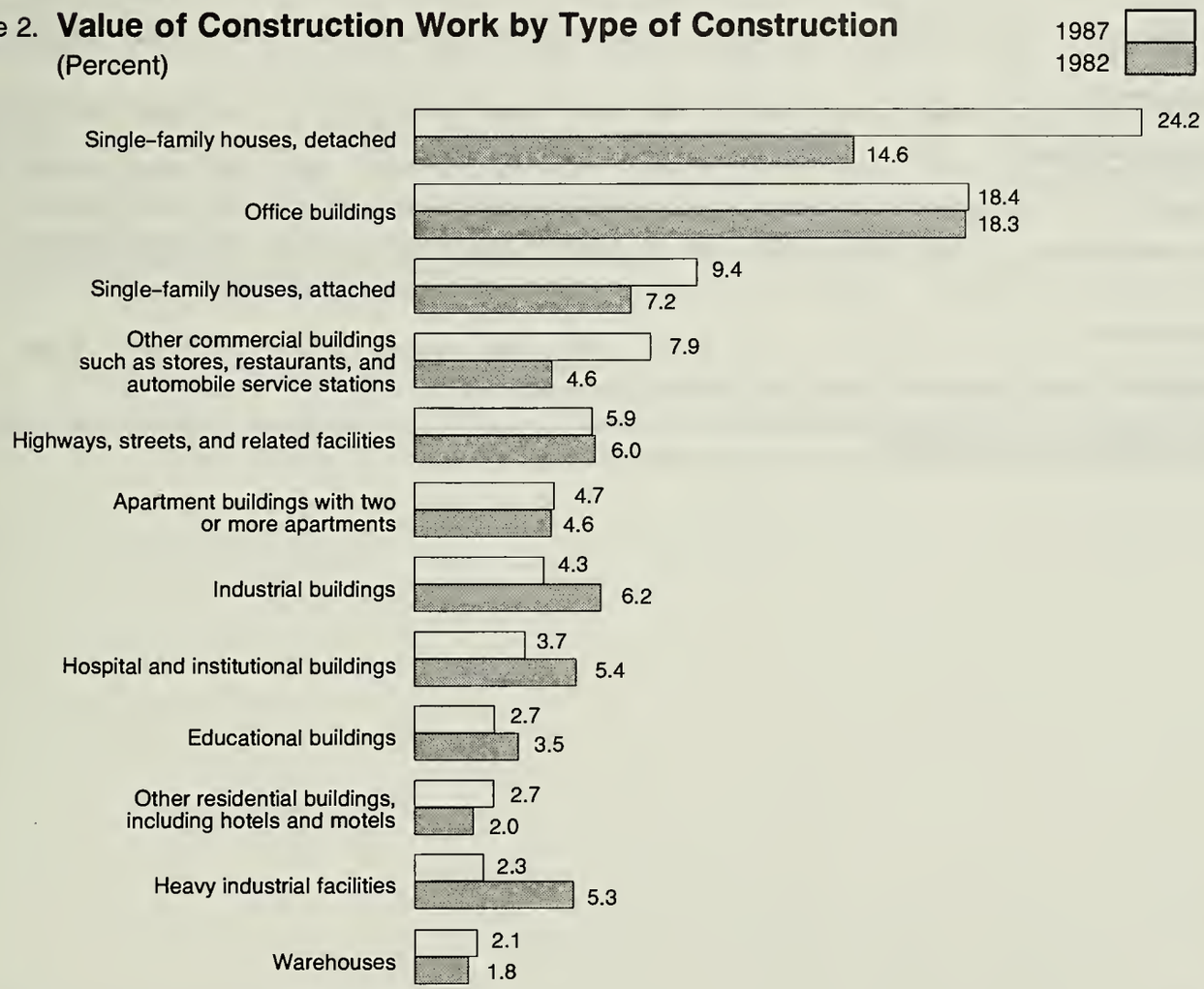


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	**34 694**	**24 028**	**160 612**	**19 578 087**	**22 191**	**21 561**	**2 076 023**	**12 503**	**2 467**	**160 612**	**17 502 064**	**1**	**1**
15, 16, 17	**Construction industries**	**33 682**	**23 088**	**159 505**	**18 518 252**	**21 384**	**20 647**	**1 232 151**	**12 298**	**2 441**	**159 505**	**17 286 101**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**8 534**	**4 740**	**43 853**	**9 484 794**	**4 532**	**3 997**	**580 291**	**4 002**	**743**	**43 853**	**8 904 503**	**1**	**1**
16	**Heavy construction other than building construction— contractors**	**791**	**233**	**20 800**	**2 013 009**	**198**	**191**	**19 879**	**593**	**42**	**20 800**	**1 993 130**	**1**	**1**
17	**Special trade contractors**	**24 357**	**18 115**	**94 852**	**7 020 448**	**16 654**	**16 459**	**631 980**	**7 703**	**1 656**	**94 852**	**6 388 468**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	2 969	1 603	21 202	1 826 060	1 389	1 368	65 586	1 580	235	21 202	1 760 474	1	1
1731	Electrical work	2 207	1 339	14 646	1 003 497	1 244	1 195	46 560	963	144	14 646	956 937	2	2
6552	**Land subdividers and developers, n.e.c.[2]**	**1 000**	**932**	**1 094**	**1 059 826**	**807**	**914**	**843 873**	**193**	**18**	**1 094**	**215 953**	**12**	**16**
	1982													
	Construction industries and land subdividers and developers	**22 523**	**15 879**	**103 805**	**8 598 380**	**13 365**	**13 234**	**615 660**	**9 158**	**2 645**	**103 805**	**7 982 720**	**1**	**1**
15, 16, 17	**Construction industries**	**22 091**	**15 464**	**102 984**	**8 417 574**	**13 016**	**12 830**	**485 522**	**9 075**	**2 634**	**102 984**	**7 932 052**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**5 610**	**3 493**	**22 694**	**3 173 955**	**2 972**	**2 804**	**196 336**	**2 638**	**689**	**22 694**	**2 977 619**	**2**	**1**
16	**Heavy construction other than building construction— contractors**	**857**	**473**	**18 618**	**1 757 545**	**438**	**428**	**19 989**	**419**	**45**	**18 618**	**1 737 556**	**1**	**1**
17	**Special trade contractors**	**15 624**	**11 498**	**61 672**	**3 486 074**	**9 606**	**9 598**	**269 197**	**6 018**	**1 900**	**61 672**	**3 216 877**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	2 160	1 169	13 818	956 159	853	853	37 140	1 307	316	13 818	919 019	2	1
1731	Electrical work	1 468	880	9 450	605 210	744	728	22 446	724	152	9 450	582 764	2	1
6552	**Land subdividers and developers, n.e.c.[2]**	**427**	**413**	**816**	**180 800**	**349**	**404**	**130 138**	**78**	**9**	**816**	**50 662**	**10**	**6**

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**34 694**	**24 028**	**160 612**	**19 578 087**	**22 191**	**21 561**	**2 076 023**	**12 503**	**2 467**	**160 612**	**17 502 064**	**1**	**1**
$10,000,000 or more	241	30	44 057	8 674 722	8	6	389 150	233	24	44 057	8 285 572	(W)	1
$5,000,000 to $9,999,999	348	40	18 848	2 371 490	28	32	183 705	320	8	18 848	2 187 785	1	3
$2,500,000 to $4,999,999	670	75	22 789	2 334 699	60	54	206 222	610	*21	22 789	2 128 477	1	3
$1,000,000 to $2,499,999	1 660	263	27 775	2 583 300	160	144	238 830	1 500	119	27 775	2 344 470	2	3
$500,000 to $999,999	2 023	492	17 853	1 404 483	272	259	186 234	1 751	233	17 853	1 218 249	3	4
$250,000 to $499,999	2 579	855	13 153	884 666	548	472	186 740	2 031	383	13 153	697 926	5	4
$100,000 to $249,999	(S)	(S)	(S)	(S)	1 759	1 653	266 733	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	2 466	2 389	173 085	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	3 629	3 543	129 642	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	13 261	13 009	115 683	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	4 947	4 837	81 966	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	2 951	2 893	21 504	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	2 243	2 200	8 205	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	3 120	3 079	4 008	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	**22 523**	**15 879**	**103 805**	**8 598 380**	**13 365**	**13 234**	**615 660**	**9 158**	**2 645**	**103 805**	**7 982 720**	**1**	**1**
$10,000,000 or more	121	8	26 502	3 680 026	–	–	–	121	8	26 502	3 680 026	(W)	(W)
$5,000,000 to $9,999,999	122	10	8 517	890 397	6	5	41 403	116	5	8 517	848 994	(W)	(W)
$2,500,000 to $4,999,999	240	21	11 196	830 323	12	15	40 443	228	6	11 196	789 880	(W)	(W)
$1,000,000 to $2,499,999	739	99	16 963	1 148 408	55	66	90 402	684	33	16 963	1 058 006	1	2
$500,000 to $999,999	988	207	13 030	693 533	91	92	63 276	897	115	13 030	630 257	3	4
$250,000 to $499,999	1 434	300	11 088	503 166	135	132	45 895	1 299	168	11 088	457 271	5	4
$100,000 to $249,999	2 835	1 344	9 364	444 933	652	610	97 677	2 183	734	9 364	347 256	5	4
$50,000 to $99,999	2 938	1 957	4 165	210 460	1 275	1 247	87 624	1 663	710	4 165	122 836	6	4
$25,000 to $49,999	3 045	2 550	1 773	108 051	2 056	2 080	72 164	989	470	1 773	35 887	8	6
Less than $25,000	10 058	9 381	1 205	89 082	9 083	8 987	76 776	975	394	1 205	12 306	6	6
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	3 472	3 439	54 563	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	2 177	2 150	14 819	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	2 105	2 078	6 065	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	1 329	1 320	1 329	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**12 503**	**160 612**	**125 694**	**3 513 804**	**2 389 182**	**215 297**	**16 523 797**	**11 679 832**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	2 484	12 947	10 147	211 820	145 456	16 237	1 249 590	875 864
1522	Other residential buildings	226	2 373	1 930	47 579	32 966	3 039	380 352	191 432
1531	Operative builders	614	9 480	4 604	267 754	86 443	8 434	2 927 423	1 629 249
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	110	2 327	1 925	49 136	36 754	3 846	246 329	163 036
1542	Nonresidential buildings, n.e.c.	568	16 726	12 765	412 752	254 786	19 996	3 345 732	1 341 475
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	225	7 755	6 551	185 075	132 417	11 119	914 366	754 629
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	12	850	702	25 639	18 721	1 426	98 568	72 197
1623	Water, sewer, and utility lines	182	4 568	3 839	96 163	73 826	7 498	320 870	288 138
1629	Heavy construction, n.e.c.	174	7 627	4 586	214 428	124 156	7 273	616 650	514 897
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	1 580	21 202	16 512	483 100	347 162	31 151	1 746 564	1 496 277
1721	Painting and paper hanging	716	4 983	4 243	85 939	64 711	7 031	249 416	222 650
1731	Electrical work	963	14 646	11 859	329 958	246 386	21 012	942 257	927 043
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	675	8 825	7 989	153 107	127 303	11 632	409 134	397 239
1742	Plastering, drywall, and insulation work	328	8 135	7 108	175 993	138 706	11 921	534 534	506 235
1743	Terrazzo, tile, marble, and mosaic work	112	768	616	19 806	14 435	1 013	56 068	54 519
175	Carpentry and floor work:								
1751	Carpentry	953	6 050	5 081	103 855	81 157	8 775	303 481	262 316
1752	Floor laying and other floor work	214	1 893	1 448	41 422	28 350	2 427	169 199	154 939
1761	Roofing, siding, and sheet metal work	612	6 473	5 395	120 496	85 797	8 828	381 629	362 713
1771	Concrete work	466	8 417	7 266	167 821	129 544	13 289	533 499	501 632
1781	Water well drilling	46	469	367	10 419	7 687	760	36 406	35 734
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	69	1 788	1 517	41 031	34 226	3 037	112 878	108 357
1793	Glass and glazing work	82	944	608	22 676	12 103	1 109	77 111	74 335
1794	Excavation work	254	3 097	2 663	74 660	59 044	4 902	264 825	236 271
1795	Wrecking and demolition work	41	766	660	12 124	10 007	858	37 403	32 233
1796	Installing building equipment, n.e.c.	92	1 675	1 340	52 260	37 732	2 330	140 957	137 595
1799	Special trade contractors, n.e.c.	500	4 721	3 786	84 652	56 068	5 983	297 390	266 188
6552	**Land subdividers and developers, n.e.c.**	193	**1 094**	**175**	**24 127**	**3 228**	359	**131 155**	**72 628**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††	B	H	M	
I	J	K	L	M	N	O	P	Q	B	H	M	
7 694 849	**4 430 229**	**4 843 964**	**239 862**	**282 045**	**1 884 913**	**103 805**	**7 536 040**	3 538 825	**1**	**1**	**2**	
												15, 16, 17
												15
												152
481 626	417 373	373 725	9 403	20 071	89 815	8 236	461 639	200 881	3	5	9	1521
118 978	76 257	188 920	2 285	1 132	8 657	1 516	241 390	47 254	7	4	26	1522
1 193 160	(D)	1 298 173	17 589	18 646	453 142	3 479	702 205	244 620	2	2	9	1531
												154
110 129	54 605	83 293	3 116	4 307	20 798	1 364	159 110	34 273	9	5	7	1541
906 432	485 160	2 004 257	25 897	18 717	111 477	8 099	1 278 736	318 516	1	2	7	1542
												16
471 093	313 489	159 736	45 731	48 569	230 708	5 316	405 750	236 144	2	2	5	1611
												162
45 631	(D)	26 371	1 807	2 021	9 509	1 159	257 023	88 704	(W)	(W)	4	1622
187 042	104 774	32 731	9 765	14 513	99 323	2 978	154 136	86 233	3	3	7	1623
424 115	99 024	101 753	23 664	14 384	122 556	9 165	684 393	499 566	2	2	14	1629
												17
882 217	627 970	250 287	20 041	32 056	159 807	13 818	906 312	430 865	1	1	8	1711
165 316	58 040	26 765	4 479	4 878	17 680	3 644	106 754	75 483	4	5	17	1721
577 073	364 649	15 213	10 611	18 962	94 789	9 450	569 596	299 747	2	2	6	1731
												174
269 277	131 420	11 894	3 611	7 760	39 137	5 339	190 386	122 971	3	4	10	1741
319 049	190 826	28 299	4 711	6 838	30 365	5 908	271 942	163 923	2	2	13	1742
34 026	22 137	1 549	679	414	3 780	359	17 917	9 976	9	5	19	1743
												175
173 118	96 607	41 164	2 887	4 710	24 618	3 644	145 483	82 930	4	4	13	1751
85 219	77 783	14 259	2 361	2 397	9 553	1 184	63 611	34 643	7	8	19	1752
230 766	136 650	18 916	5 862	10 328	63 662	4 615	205 995	116 021	4	3	6	1761
293 854	212 804	31 867	13 547	16 988	84 981	4 605	201 677	106 846	2	2	13	1771
23 545	12 589	672	646	1 759	20 883	341	15 295	8 482	10	12	12	1781
												179
85 322	25 899	4 520	1 692	3 069	16 076	1 229	49 449	37 873	3	2	8	1791
38 035	38 883	2 775	693	1 448	7 323	732	48 715	26 626	2	4	18	1793
199 868	46 138	28 554	18 518	18 196	99 237	3 048	154 823	110 628	3	4	9	1794
33 514	3 735	5 169	1 662	784	11 870	67	3 969	3 085	14	9	4	1795
97 035	41 781	3 362	1 686	617	7 739	1 154	99 670	71 592	5	3	22	1796
187 842	89 000	31 201	6 619	7 125	37 038	2 535	110 245	63 892	5	6	12	1799
61 557	**17 266**	**58 527**	288	**1 345**	**10 379**	816	**29 813**	**17 041**	**12**	19	26	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	12 503	9 158	9 693	8 663	1	2	2	3
Proprietors and working partners	2 467	2 645	4 658	4 564	5	4	5	5
All employees**	160 612	103 805	105 018	106 114	1	1	1	2
Construction workers:								
March	115 455	74 980	76 700	79 396	1	1	1	2
May	126 889	82 050	88 887	88 195	1	1	1	2
August	133 154	84 662	94 911	97 790	1	1	1	2
November	127 278	83 994	87 028	90 825	1	1	1	2
Average	125 694	82 261	86 973	89 922	1	1	1	2
Other employees:								
March	34 733	21 503	17 529	15 611	1	1	1	2
May	34 848	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
August	35 131	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
November	34 960	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Average	34 918	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	47 524	31 049	(NA)	(NA)	1	1	(NA)	(NA)
April to June	54 387	34 776	(NA)	(NA)	1	1	(NA)	(NA)
July to September	58 128	36 342	(NA)	(NA)	1	1	(NA)	(NA)
October to December	55 256	35 800	(NA)	(NA)	1	1	(NA)	(NA)
Total hours worked	215 297	137 969	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	3 513 804	1 870 863	1 310 695	1 007 898	(W)	1	1	1
Payroll, construction workers	2 389 182	1 355 029	977 827	772 512	(W)	1	1	1
Payroll, other employees	1 124 621	515 833	332 868	235 386	1	1	1	1
First quarter payroll, all employees	782 110	427 542	274 576	(NA)	1	1	1	(NA)
Employer costs for fringe benefits, all employees	718 717	339 992	217 364	(NA)	1	1	1	(NA)
Legally required expenditures	488 297	241 834	137 179	(NA)	1	1	1	(NA)
Voluntary expenditures	230 419	98 157	80 186	(NA)	1	1	1	(NA)
Dollar value of business done	17 502 064	7 982 720	5 548 818	3 944 192	1	1	1	1
Value of construction work[1]	16 523 797	7 536 040	5 268 141	3 833 068	1	1	1	1
Value of construction work subcontracted in from others	4 179 728	1 902 335	1 237 468	868 465	2	2	(W)	(W)
Land receipts[2]	533 021	121 577	(NA)	(NA)	3	1	(NA)	(NA)
Other business receipts	445 246	325 102	280 677	111 124	1	1	2	3
Net value of construction†	11 679 832	5 436 573	3 851 968	2 729 467	1	1	1	1
Value added††	7 694 849	3 538 825	2 324 577	1 632 438	1	1	1	1
Selected costs	9 274 193	4 322 317	3 111 485	2 267 089	1	1	1	1
Materials, components, and supplies[3]	4 201 258	2 087 368	1 608 163	1 163 488	1	1	1	1
Construction work subcontracted to others	4 843 964	2 099 467	1 416 173	1 103 601	1	1	1	1
Selected power, fuels, and lubricants	228 970	135 481	87 150	(NA)	1	1	1	(NA)
Electricity	35 709	18 215	10 932	(NA)	1	2	1	(NA)
Natural gas	7 063	4 122	3 606	(NA)	1	2	4	(NA)
Gasoline and diesel fuel	171 362	103 857	61 257	(NA)	1	1	1	(NA)
On highway use	130 224	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Off highway use	41 137	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	14 835	9 286	11 357	(NA)	2	2	3	(NA)
Rental cost for machinery, equipment, and buildings	239 862	119 066	77 287	(NA)	1	1	1	(NA)
For machinery and equipment	162 471	88 835	63 453	41 219	2	1	1	4
For buildings	77 391	30 231	13 833	(NA)	1	1	1	(NA)
Selected purchased services	181 874	105 647	179 370	(NA)	1	1	3	(NA)
Communication services	53 964	28 669	28 226	(NA)	1	2	18	(NA)
Repairs to buildings and other structures	11 571	5 788	4 078	(NA)	4	3	3	(NA)
Repairs to machinery and equipment	116 338	71 189	147 066	(NA)	1	1	(W)	(NA)
Ownership of construction projects:								
Value of construction work	16 523 797	7 536 040	5 268 141	3 833 068	1	1	1	1
Government owned	2 794 512	1 950 121	1 458 584	1 123 113	2	1	(W)	1
Federal	961 471	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
State and local	1 833 040	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Privately owned	13 729 284	5 585 918	3 809 557	2 709 955	1	1	1	1

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	1 675 951	1 336 141	1	1
Capital expenditures, other than land	282 045	157 162	2	1
New	239 167	130 117	2	1
Used	42 877	27 044	6	3
Retirements and disposition of depreciable assets	73 083	52 138	5	3
End-of-year gross book value of depreciable assets	1 884 913	1 441 164	1	1
Depreciation charges during year	246 678	140 950	1	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	262 486	282 239	4	1
Capital expenditures, other than land	28 700	56 694	8	1
New buildings and other structures	18 985	53 825	8	1
Used buildings and other structures	9 714	2 869	15	16
Retirements and disposition of depreciable assets	10 308	11 971	29	4
End-of-year gross book value of depreciable assets	280 877	326 962	4	1
Depreciation charges during year	21 856	24 122	5	2
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	1 413 465	1 053 901	1	1
Capital expenditures, other than land	253 345	100 467	2	2
New machinery and equipment, including automobiles and trucks	220 181	76 292	2	2
New automobiles and trucks, intended primarily for highway use	105 785	32 106	3	3
Used machinery and equipment, including automobiles and trucks	33 163	24 175	6	3
Retirements and disposition of depreciable assets	62 775	40 166	3	4
End-of-year gross book value of depreciable assets	1 604 035	1 114 202	1	1
Depreciation charges during year	224 821	116 828	1	2

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	12 503	1
Value of construction work	16 523 797	1
Establishments with inventories:		
Number	3 622	3
Value of construction work	7 026 333	2
Inventories[1]:		
End of 1987, materials and supplies	144 024	5
End of 1986, materials and supplies	123 876	4
Establishments with no inventories:		
Number	6 598	2
Value of construction work	6 406 094	2
Establishments not reporting:		
Number	2 283	5
Value of construction work	3 091 370	2

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	12 503	(S)	2 807	1 680	1 149	370	160	31	9	4
All employees**	160 612	(S)	18 421	22 185	34 425	24 480	22 830	10 228	5 829	9 379
Payroll, all employees	3 513 804	(S)	317 003	441 715	755 721	572 531	576 017	253 343	159 861	236 093
Construction worker hours (thousands)	215 297	(S)	23 881	29 723	47 648	36 597	33 359	14 500	8 292	6 748
Dollar value business done	17 502 064	(S)	1 572 681	1 985 453	3 279 565	2 334 847	2 919 495	1 305 195	890 870	1 868 519
Value of construction work[1]	16 523 797	(S)	1 471 859	1 911 656	3 119 271	2 259 936	2 828 074	1 292 465	2 361 351	(D)
Net value of construction work†	11 679 832	(S)	1 111 142	1 482 636	2 322 575	1 635 426	2 069 159	748 408	563 988	794 843
Value added††	7 694 849	(S)	688 782	949 376	1 474 359	1 034 875	1 361 395	498 344	359 360	781 783
Cost of materials, components, supplies, and fuels	4 430 229	(S)	443 880	568 520	904 443	637 705	1 224 089	(D)	(D)	234 060
Cost of construction work subcontracted to others	4 843 964	(S)	360 716	429 020	796 695	624 510	758 915	544 057	1 002 520	(D)
Rental cost for machinery, equipment, and buildings	239 862	(S)	15 965	27 223	43 605	38 588	49 854	18 862	28 139	8 787
Capital expenditures, other than land	282 045	(S)	36 070	44 190	56 161	38 703	40 663	22 229	23 452	(D)
End-of-year gross book value of depreciable assets	1 884 913	(S)	166 523	234 620	331 789	222 211	246 926	149 648	400 518	(D)
1982										
All employees**	103 805	10 352	11 715	15 787	23 589	13 111	12 240	6 118	10 892	(D)
Value of construction work[1]	7 536 040	472 379	600 796	846 350	1 679 498	1 176 898	1 192 495	807 222	760 402	(D)
Value added††	3 538 825	242 400	306 397	402 329	745 502	523 586	489 444	329 856	499 309	(D)
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	(S)	4	3	1	1	(W)	(W)	(W)	(W)
Net value of construction work†	1	(S)	4	4	1	(W)	(W)	(W)	(W)	(W)
Capital expenditures, other than land	2	(S)	10	8	4	4	(W)	(W)	9	(D)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	12 503	(S)	(S)	(S)	(S)	2 031	1 751	1 500	610	320	233
All employees**	160 612	(S)	(S)	(S)	(S)	13 153	17 853	27 775	22 789	18 848	44 057
Payroll, all employees	3 513 804	(S)	(S)	(S)	(S)	197 355	338 468	578 955	533 724	480 174	1 187 223
Construction worker hours (thousands)	215 297	(S)	(S)	(S)	(S)	16 125	25 140	38 828	32 529	27 220	56 376
Dollar value of business done	17 502 064	(S)	(S)	(S)	(S)	697 926	1 218 249	2 344 470	2 128 477	2 187 785	8 285 572
Value of construction work[1]	16 523 797	(S)	(S)	(S)	(S)	682 114	1 188 691	2 252 164	2 047 679	2 075 022	7 654 937
Net value of construction work†	11 679 832	(S)	(S)	(S)	(S)	598 235	1 011 576	1 819 024	1 651 193	1 491 045	4 542 968
Value added††	7 694 849	(S)	(S)	(S)	(S)	369 532	626 976	1 138 661	1 066 296	937 852	3 193 556
Cost of materials, components, supplies, and fuels	4 430 229	(S)	(S)	(S)	(S)	236 517	404 938	718 728	623 536	587 348	1 644 297
Cost of construction work subcontracted to others	4 843 964	(S)	(S)	(S)	(S)	83 878	177 115	433 140	396 485	583 976	3 111 969
Rental cost for machinery, equipment, and buildings	239 862	(S)	(S)	(S)	(S)	6 935	18 422	34 359	27 338	36 423	109 448
Capital expenditures, other than land	282 045	(S)	(S)	(S)	(S)	17 573	35 139	55 992	35 121	35 094	86 318
End-of-year gross book value of depreciable assets	1 884 913	(S)	(S)	(S)	(S)	83 214	170 702	303 900	220 323	191 677	802 525
1982											
All employees**	103 805	1 205	1 773	4 165	9 364	11 088	13 030	16 963	11 196	8 517	26 502
Value of construction work[1]	7 536 040	12 215	35 452	121 089	341 640	448 567	611 439	1 034 004	760 210	821 249	3 350 173
Value added††	3 538 825	7 115	19 455	68 296	185 099	248 906	326 201	522 959	346 401	381 402	1 432 989
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	(S)	5	3	2	1	1	(W)
Net value of construction work†	1	(S)	(S)	(S)	(S)	4	4	3	2	2	1
Capital expenditures, other than land	2	(S)	(S)	(S)	(S)	12	9	7	4	5	2

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**16 523 797**	**11 642 176**	**2 862 082**	**1 533 697**	**1**	**1**	**1**	**1**
Building construction	**13 614 116**	**10 202 481**	**2 275 568**	**1 038 167**	**1**	**1**	**2**	**2**
Single-family houses	5 559 314	4 766 797	506 862	285 654	2	2	4	5
Single-family houses, detached	4 002 279	3 342 617	435 338	224 323	2	2	4	5
Single-family houses, attached	1 557 034	1 424 180	71 523	61 330	4	3	19	10
Apartment buildings with two or more apartments	783 517	515 610	167 947	99 959	2	2	6	7
Other residential buildings, including hotels and motels	445 356	340 546	63 477	41 332	1	1	4	7
Hotels and motels	246 600	191 257	36 984	18 358	1	1	2	9
Other residential buildings, excluding hotels and motels	198 755	149 288	26 492	22 973	2	2	8	11
Office buildings	3 037 950	2 336 059	532 418	169 473	1	1	4	3
Other commercial buildings such as stores, restaurants, and automobile service stations	1 302 926	812 294	362 707	127 924	3	4	2	5
Industrial buildings and warehouses	1 046 486	634 291	223 215	188 978	1	2	2	3
Industrial buildings	705 250	387 903	160 820	156 526	1	2	2	3
Warehouses	341 235	246 387	62 395	32 451	3	3	4	10
Religious buildings	84 217	40 445	27 853	15 918	4	4	7	7
Educational buildings	448 182	254 615	152 336	41 230	1	1	3	7
Hospitals and institutional buildings	608 897	405 856	166 518	36 522	3	4	4	3
Other nonresidential buildings	199 370	95 968	72 235	31 177	6	6	5	25
Land development for buildings	97 901	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
Nonbuilding construction	**2 521 739**	**1 439 695**	**586 514**	**495 530**	**1**	**1**	**2**	**2**
Highways, streets, and related facilities	971 260	493 715	355 362	122 182	2	2	2	3
Bridges, tunnels, and elevated highways	134 703	69 783	46 389	18 530	1	(W)	1	5
Tunnels	7 279	5 872	1 032	*374	5	(W)	18	51
Bridges and elevated highways	127 424	63 911	45 356	18 156	1	(W)	1	4
Marine construction	111 662	84 730	8 879	18 053	3	2	9	13
Power and communication transmission lines, towers, and related facilities	83 000	54 151	13 798	15 051	7	7	4	14
Sewers, water mains, and related facilities	277 097	222 025	27 156	27 915	3	2	6	7
Sewers, sewer lines, and related facilities	167 855	131 516	24 301	12 038	3	3	7	13
Water mains and related facilities	109 242	90 509	2 855	15 877	3	2	9	5
Heavy industrial facilities	371 151	131 631	33 036	206 483	(W)	(W)	(W)	1
Sewage treatment and water treatment plants	117 932	71 160	43 583	3 188	3	4	2	7
Sewage treatment plants	74 674	47 045	26 279	1 349	2	3	2	10
Water treatment plants	43 257	24 114	17 304	1 838	4	7	2	9
Other nonbuilding construction	454 934	312 500	58 311	84 128	8	8	11	19
Construction work, n.s.k.	**387 942**	**(NA)**	**(NA)**	**(NA)**	**4**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**7 536 040**	**6 161 449**	**(NA)**	**1 374 590**	**1**	**1**	**(NA)**	**1**
Building construction	**5 325 828**	**4 448 287**	**(NA)**	**877 540**	**1**	**1**	**(NA)**	**1**
Single-family houses	1 642 255	1 398 062	(NA)	244 193	1	1	(NA)	3
Single-family houses, detached	1 099 523	908 416	(NA)	191 107	2	2	(NA)	4
Single-family houses, attached	542 731	489 645	(NA)	53 085	2	2	(NA)	6
Apartment buildings with two or more apartments	346 973	271 194	(NA)	75 779	2	1	(NA)	4
Other residential buildings, including hotels and motels	172 714	151 639	(NA)	21 075	2	1	(NA)	5
Office buildings	1 378 241	1 172 053	(NA)	206 188	1	1	(NA)	2
Other commercial buildings such as stores, restaurants, and automobile service stations	346 880	251 464	(NA)	95 416	2	3	(NA)	3
Industrial buildings and warehouses	604 172	477 849	(NA)	126 323	1	2	(NA)	3
Industrial buildings	470 338	366 202	(NA)	104 135	2	2	(NA)	3
Warehouses	133 834	111 646	(NA)	22 187	2	2	(NA)	8
Religious buildings	38 286	26 093	(NA)	12 192	5	5	(NA)	5
Educational buildings	265 912	221 204	(NA)	44 708	1	1	(NA)	4
Hospitals and institutional buildings	405 549	376 855	(NA)	28 693	1	1	(NA)	3
Amusement, social, and recreational buildings	59 813	53 087	(NA)	6 726	7	8	(NA)	21
Other nonresidential buildings	65 033	48 787	(NA)	16 247	5	3	(NA)	21
Nonbuilding construction	**1 767 590**	**1 358 443**	**(NA)**	**409 147**	**1**	**1**	**(NA)**	**1**
Highways, streets, and related facilities	449 885	247 354	(NA)	202 530	2	3	(NA)	1
Bridges, tunnels, and elevated highways	288 131	268 789	(NA)	19 342	(W)	(W)	(NA)	(W)
Power and communication transmission lines, towers, and related facilities	66 638	55 294	(NA)	11 343	4	3	(NA)	12
Sewers, water mains, and related facilities	137 145	114 199	(NA)	22 945	4	4	(NA)	12
Sewers, sewer lines, and related facilities	97 354	80 068	(NA)	17 286	6	6	(NA)	15
Water mains and related facilities	39 790	34 130	(NA)	5 659	6	6	(NA)	14
Mass transit construction	74 761	70 561	(NA)	4 199	1	(W)	(NA)	2
Heavy industrial facilities	397 059	(D)	(NA)	(D)	(W)	(D)	(NA)	(D)
Sewage treatment and water treatment plants	164 112	149 532	(NA)	14 580	1	(W)	(NA)	10
Sewage treatment plants	77 151	65 097	(NA)	12 054	1	(W)	(NA)	8
Water treatment plants	86 961	84 434	(NA)	2 526	(W)	(W)	(NA)	9
Other nonbuilding construction	189 859	(D)	(NA)	(D)	5	(D)	(NA)	(D)
Construction work, n.s.k.	**442 621**	**354 718**	**(NA)**	**87 902**	**3**	**3**	**(NA)**	**4**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. **Quarterly Construction Worker Hours and Employment With Payroll by Industry:**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**12 503**	**125 694**	**215 297**	**115 455**	**47 524**	**126 889**	**54 387**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	2 484	10 147	16 237	9 347	3 568	10 259	4 102
1522	Other residential buildings	226	1 930	3 039	1 934	738	1 983	783
1531	Operative builders	614	4 604	8 434	4 182	1 870	4 574	2 078
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	110	1 925	3 846	1 745	863	1 953	972
1542	Nonresidential buildings, n.e.c.	568	12 765	19 996	12 332	4 640	12 358	4 939
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	225	6 551	11 119	4 681	1 770	7 022	2 961
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	12	702	1 426	660	322	709	372
1623	Water, sewer, and utility lines	182	3 839	7 498	3 504	1 590	3 807	1 845
1629	Heavy construction, n.e.c.	174	4 586	7 273	4 211	1 448	5 025	2 010
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	1 580	16 512	31 151	15 834	7 383	16 232	7 764
1721	Painting and paper hanging	716	4 243	7 031	3 615	1 440	4 377	1 805
1731	Electrical work	963	11 859	21 012	11 570	4 948	11 537	5 063
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	675	7 989	11 632	7 389	2 428	7 936	2 843
1742	Plastering, drywall, and insulation work	328	7 108	11 921	6 578	2 738	6 917	2 914
1743	Terrazzo, tile, marble, and mosaic work	112	616	1 013	614	257	593	268
175	Carpentry and floor work:							
1751	Carpentry	953	5 081	8 775	4 721	2 027	5 347	2 303
1752	Floor laying and other floor work	214	1 448	2 427	1 441	555	1 439	590
1761	Roofing, siding, and sheet metal work	612	5 395	8 828	4 977	1 891	5 397	2 280
1771	Concrete work	466	7 266	13 289	6 009	2 778	7 614	3 433
1781	Water well drilling	46	367	760	354	180	376	195
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	69	1 517	3 037	1 477	723	1 492	721
1793	Glass and glazing work	82	608	1 109	603	273	603	268
1794	Excavation work	254	2 663	4 902	2 315	1 012	2 732	1 227
1795	Wrecking and demolition work	41	660	858	616	204	721	237
1796	Installing building equipment, n.e.c.	92	1 340	2 330	1 269	558	1 432	573
1799	Special trade contractors, n.e.c.	500	3 786	5 983	3 331	1 243	4 263	1 738
6552	**Land subdividers and developers, n.e.c.**	**193**	**175**	**359**	**132**	**65**	**179**	**87**

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
133 154	58 **128**	**127 278**	55 **256**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	
														15, 16, **17**
														15
														152
11 058	4 477	9 926	4 088	3	4	3	5	3	5	3	4	4	5	1521
1 915	760	1 888	757	7	9	7	8	8	8	8	10	8	11	1522
5 002	2 308	4 658	2 177	3	3	3	3	3	3	3	3	3	4	1531
														154
2 101	1 072	1 899	937	9	9	11	10	9	10	9	9	8	9	1541
13 271	5 307	13 097	5 108	1	2	1	2	2	2	1	2	1	2	1542
														16
7 612	3 392	6 890	2 994	2	2	1	2	2	2	2	2	1	2	1611
														162
731	380	708	351	(W)	3	(W)	3	(W)	3	(W)	3	(W)	4	1622
4 114	2 081	3 930	1 979	3	4	3	4	3	4	3	5	4	6	1623
4 622	1 982	4 486	1 831	2	4	2	4	2	3	2	4	2	4	1629
														17
17 147	8 054	16 837	7 948	1	2	1	2	1	2	1	2	1	2	1711
4 616	1 970	4 362	1 814	4	6	4	5	4	6	5	7	5	7	1721
12 074	5 419	12 255	5 580	2	2	2	2	2	2	2	3	2	3	1731
														174
														1741
8 487	3 292	8 146	3 068	3	4	3	5	3	5	4	4	4	5	
7 532	3 147	7 406	3 120	2	3	2	4	3	4	2	3	2	3	1742
727	250	529	237	9	7	5	7	6	8	18	6	7	8	1743
														175
5 355	2 268	4 900	2 176	4	5	4	5	4	5	4	5	4	5	1751
1 552	645	1 363	636	7	7	7	7	7	7	7	7	6	7	1752
5 648	2 429	5 556	2 226	4	4	4	4	4	4	4	4	4	5	1761
8 004	3 704	7 438	3 373	2	7	2	8	3	6	2	7	2	8	1771
371	195	367	188	10	16	10	17	10	16	9	15	10	17	1781
														179
1 603	803	1 496	789	4	6	4	6	3	6	3	7	4	7	1791
624	291	602	274	2	4	3	4	2	6	4	4	2	5	1793
2 824	1 369	2 781	1 292	4	4	4	5	4	5	4	4	4	4	1794
700	223	603	193	13	9	9	9	12	9	16	10	14	10	1795
1 324	597	1 335	600	4	8	5	7	4	7	5	8	5	8	1796
3 934	1 594	3 615	1 407	5	7	5	8	5	7	5	8	5	7	1799
195	**104**	**195**	**102**	**20**	**27**	**21**	**29**	**21**	**28**	**20**	26	**20**	**27**	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**12.9**	**21.9**	**1 712.9**	**131.5**	**.213**	**.268**	**.293**	**.015**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	5.2	16.4	1 600.2	123.1	.170	.334	.299	.008
1522	Other residential buildings	10.5	20.1	1 574.6	197.1	.125	.200	.497	.006
1531	Operative builders	15.4	28.2	1 831.9	635.8	.091	(D)	.443	.006
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	21.2	21.1	1 997.9	128.0	.199	.222	.338	.013
1542	Nonresidential buildings, n.e.c.	29.4	24.7	1 566.5	262.1	.123	.145	.599	.008
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	34.5	23.9	1 697.3	139.6	.202	.343	.175	.050
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	70.8	30.2	2 031.3	140.4	.260	(D)	.268	.018
1623	Water, sewer, and utility lines	25.1	21.1	1 953.1	83.6	.300	.327	.102	.030
1629	Heavy construction, n.e.c.	43.8	28.1	1 585.9	134.5	.348	.161	.165	.038
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	13.4	22.8	1 886.6	105.8	.277	.360	.143	.011
1721	Painting and paper hanging	7.0	17.2	1 657.1	58.8	.345	.233	.107	.018
1731	Electrical work	15.2	22.5	1 771.8	79.5	.350	.387	.016	.011
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	13.1	17.3	1 456.0	51.2	.374	.321	.029	.009
1742	Plastering, drywall, and insulation work	24.8	21.6	1 677.1	75.2	.329	.357	.053	.009
1743	Terrazzo, tile, marble, and mosaic work	6.9	25.8	1 644.5	91.0	.353	.395	.028	.012
175	Carpentry and floor work:								
1751	Carpentry	6.3	17.2	1 727.0	59.7	.342	.318	.136	.010
1752	Floor laying and other floor work	8.8	21.9	1 676.1	116.9	.245	.460	.084	.014
1761	Roofing, siding, and sheet metal work	10.6	18.6	1 636.3	70.7	.316	.358	.050	.015
1771	Concrete work	18.1	19.9	1 828.9	73.4	.315	.399	.060	.025
1781	Water well drilling	10.2	22.2	2 070.8	99.2	.286	.346	.018	.018
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	25.9	22.9	2 002.0	74.4	.363	.229	.040	.015
1793	Glass and glazing work	11.5	24.0	1 824.0	126.8	.294	.504	.036	.009
1794	Excavation work	12.2	24.1	1 840.8	99.4	.282	.174	.108	.070
1795	Wrecking and demolition work	18.7	15.8	1 300.0	56.7	.324	.100	.138	.044
1796	Installing building equipment, n.e.c.	18.2	31.2	1 738.8	105.2	.371	.296	.024	.012
1799	Special trade contractors, n.e.c.	9.4	17.9	1 580.3	78.5	.285	.299	.105	.022
6552	**Land subdividers and developers, n.e.c.**	**5.7**	**22.1**	**2 051.4**	**749.5**	**.184**	**.132**	**.446**	**.002**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	BALTIMORE, MD MSA											
	Construction industries and land subdividers and developers	6 243	69 800	1 477 587	7 054 082	5 094 483	3 463 033	1 942 104	1 959 600	126 349	1	1
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 267	6 271	102 336	598 793	409 353	218 347	198 358	189 440	8 840	5	6
1522	Other residential buildings	98	801	13 256	80 673	44 758	23 953	21 264	35 915	*583	16	13
1531	Operative builders	286	4 407	114 613	1 283 049	711 998	594 304	(D)	571 051	4 282	3	3
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	58	1 021	22 292	118 234	85 837	61 426	24 879	32 397	756	13	9
1542	Nonresidential buildings, n.e.c.	287	6 287	155 270	1 288 795	526 455	387 337	170 187	762 340	8 165	3	5
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	122	4 236	100 256	514 275	421 208	252 385	181 935	93 067	24 260	2	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	10	699	21 825	69 275	(D)	33 115	(D)	(D)	441	(W)	(D)
1623	Water, sewer, and utility lines	83	1 476	33 030	120 470	105 809	67 492	41 042	14 661	6 039	4	5
1629	Heavy construction, n.e.c.	79	1 912	54 096	244 839	205 337	160 770	49 436	39 503	11 714	5	4
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	790	9 488	208 040	726 382	645 751	397 324	256 748	80 631	14 653	2	2
1721	Painting and paper hanging	354	2 249	38 857	111 739	105 051	80 693	24 519	6 688	1 232	6	8
1731	Electrical work	487	6 754	147 907	413 349	407 169	252 519	160 769	6 180	8 971	3	4
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	317	3 156	52 881	145 963	143 606	100 573	43 262	2 356	3 008	5	6
1742	Plastering, drywall, and insulation work	156	3 825	80 876	251 987	242 457	154 025	90 677	9 509	3 409	3	3
1743	Terrazzo, tile, marble, and mosaic work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
175	Carpentry and floor work:											
1751	Carpentry	507	2 548	42 870	133 343	115 261	73 908	44 616	18 083	2 130	6	7
1752	Floor laying and other floorwork	83	594	11 276	48 106	44 229	20 588	24 935	3 877	540	9	9
1761	Roofing, siding, and sheet metal work	335	3 264	54 915	182 826	172 388	106 079	67 532	10 437	3 105	6	4
1771	Concrete work	222	3 435	65 181	205 616	184 641	107 066	80 405	20 975	5 844	4	5
1781	Water well drilling	23	273	5 885	22 080	21 597	15 187	6 806	483	1 097	17	18
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	49	1 150	26 959	77 076	75 102	61 895	15 415	1 974	1 854	5	2
1793	Glass and glazing work	28	450	10 307	37 300	(D)	16 949	19 734	(D)	349	2	(D)
1794	Excavation work	119	1 522	36 470	132 553	120 841	101 242	22 701	11 712	10 179	4	6
1795	Wrecking and demolition work	33	532	8 143	26 032	21 825	23 892	2 843	4 208	536	20	13
1796	Installing building equipment, n.e.c.	52	536	15 707	42 504	41 435	31 780	(D)	1 069	400	11	5
1799	Special trade contractors, n.e.c.	258	2 136	35 956	120 145	110 802	81 331	32 188	9 344	3 135	8	9
6552	**Land subdividers and developers, n.e.c.**	90	478	13 328	45 520	29 847	31 305	3 202	15 673	750	17	14
	PHILADELPHIA-WILMINGTON-TRENTON, PA-NJ-DE-MD CMSA											
	Construction industries and land subdividers and developers	12 802	132 471	3 207 777	13 043 124	9 732 116	6 288 303	3 783 122	3 311 008	240 638	1	1
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	2 082	9 940	173 152	1 051 393	721 744	407 479	334 092	329 649	13 324	4	5
1522	Other residential buildings	228	1 631	29 263	190 891	100 981	67 741	43 730	89 910	1 804	10	10
1531	Operative builders	341	4 207	107 173	1 130 234	582 370	300 916	302 206	547 864	16 289	4	5
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	168	2 578	63 437	412 122	226 178	137 310	99 998	185 944	2 938	5	5
1542	Nonresidential buildings, n.e.c.	687	11 284	306 640	2 284 043	962 137	702 396	372 699	1 321 906	13 890	3	3

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	PHILADELPHIA-WILMINGTON-TRENTON, PA-NJ-DE-MD CMSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries—Con.**											
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	212	5 692	152 809	685 197	552 328	348 651	227 758	132 869	37 203	4	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	21	997	32 566	170 603	123 738	84 645	(D)	46 865	2 805	2	1
1623	Water, sewer, and utility lines	122	6 189	161 847	437 905	393 011	297 960	(D)	44 894	26 467	2	1
1629	Heavy construction, n.e.c.	203	9 557	323 618	745 718	624 776	410 704	220 234	120 942	15 885	1	2
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	1 729	16 142	425 776	1 403 246	1 253 847	754 345	520 208	149 399	23 256	1	1
1721	Painting and paper hanging	734	4 531	92 084	236 952	223 656	178 325	47 418	13 296	3 786	3	3
1731	Electrical work	1 212	12 020	330 524	896 389	867 406	543 517	337 961	28 983	10 438	2	1
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	597	5 667	119 254	335 410	316 966	210 495	107 078	18 444	6 129	4	3
1742	Plastering, drywall, and insulation work	317	5 891	143 653	418 298	387 236	238 201	153 476	31 062	4 315	4	3
1743	Terrazzo, tile, marble, and mosaic work	106	620	13 091	45 767	44 838	27 264	17 832	930	767	6	4
175	Carpentry and floor work:											
1751	Carpentry	1 044	4 991	90 258	317 539	267 875	169 084	104 269	49 664	3 307	4	5
1752	Floor laying and other floorwork	270	1 555	29 225	112 293	104 101	60 491	48 051	8 192	971	8	7
1761	Roofing, siding, and sheet metal work	839	6 637	129 563	492 062	454 278	281 995	176 886	37 784	7 537	4	5
1771	Concrete work	573	6 612	124 838	452 752	417 815	253 483	168 328	34 937	13 861	5	4
1781	Water well drilling	56	364	7 786	30 160	29 202	18 464	11 272	958	1 163	11	13
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	103	3 362	63 999	188 472	180 713	145 049	45 162	7 759	3 843	3	4
1793	Glass and glazing work	75	829	22 041	73 521	68 412	38 760	34 864	5 109	1 478	10	6
1794	Excavation work	373	3 600	79 974	326 209	294 906	210 727	89 597	31 303	17 494	5	4
1795	Wrecking and demolition work	28	786	12 012	37 718	35 585	35 921	6 124	2 133	1 836	2	2
1796	Installing building equipment, n.e.c.	81	1 977	70 193	170 963	166 702	127 040	40 929	4 261	1 406	3	3
1799	Special trade contractors, n.e.c.	528	4 531	96 840	363 608	310 577	215 471	107 882	53 032	7 414	5	4
6552	**Land subdividers and developers, n.e.c.**	73	281	6 163	33 659	20 739	21 872	4 719	12 920	1 033	21	31
	PHILADELPHIA, PA-NJ PMSA											
	Construction industries and land subdividers and developers	10 366	108 952	2 685 354	10 782 241	8 120 392	5 230 625	3 108 282	2 661 850	192 990	1	1
	(See appropriate State for SIC detail.)											
	TRENTON, NJ PMSA											
	Construction industries and land subdividers and developers	712	5 099	122 896	647 303	397 091	289 028	185 361	250 211	7 917	3	4
	(See appropriate State for SIC detail.)											
	VINELAND-MILLVILLE-BRIDGETON, NJ PMSA											
	Construction industries and land subdividers and developers	376	2 586	56 324	227 641	176 164	114 152	65 658	51 477	4 685	3	3
	(See appropriate State for SIC detail.)											

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WILMINGTON, DE-NJ-MD PMSA											
	Construction industries and land subdividers and developers	**1 348**	**15 834**	**343 204**	**1 385 939**	**1 038 468**	**654 498**	**423 821**	**347 470**	**35 046**	**2**	**2**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	287	1 565	24 855	150 026	104 697	59 287	46 631	45 329	1 350	10	11
1522	Other residential buildings	27	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1531	Operative builders	59	634	13 767	117 897	55 606	22 548	37 699	62 291	3 204	15	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	20	300	5 801	26 264	17 720	9 356	(D)	8 544	(D)	11	4
1542	Nonresidential buildings, n.e.c.	42	883	20 732	144 526	53 640	35 841	23 110	90 886	618	8	4
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	39	1 486	32 934	152 791	110 855	58 492	59 892	41 936	5 996	4	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	12	853	16 168	48 091	38 031	28 895	(D)	10 060	5 330	(W)	(W)
1629	Heavy construction, n.e.c.	24	823	32 799	68 549	65 526	47 516	19 279	3 024	1 094	3	2
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	158	1 951	44 169	153 508	133 618	80 079	56 952	19 890	4 555	4	3
1721	Painting and paper hanging	72	486	10 485	(D)	(D)	20 833	(D)	(D)	(D)	6	(D)
1731	Electrical work	109	1 302	31 520	93 629	91 379	56 308	(D)	2 250	933	3	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	89	916	15 643	46 838	43 781	28 422	(D)	3 057	1 012	12	12
1742	Plastering, drywall, and insulation work	42	609	12 283	31 875	30 312	19 932	(D)	1 563	657	11	10
1743	Terrazzo, tile, marble, and mosaic work	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
175	Carpentry and floor work:											
1751	Carpentry	84	384	5 814	20 805	17 716	11 784	6 717	3 089	131	13	11
1752	Floor laying and other floorwork	*18	91	1 937	5 257	5 109	3 341	*1 790	148	(S)	12	14
1761	Roofing, siding, and sheet metal work	69	628	12 857	43 342	40 405	26 976	(D)	*2 937	815	11	15
1771	Concrete work	57	907	19 702	75 112	64 113	39 542	(D)	10 999	2 804	9	8
1781	Water well drilling	*14	*63	*1 107	*5 612	(D)	*3 852	*1 923	(D)	75	54	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	16	355	7 608	25 309	24 889	17 133	(D)	420	541	8	3
1793	Glass and glazing work	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1794	Excavation work	31	652	13 940	54 789	51 776	36 080	(D)	3 013	3 780	2	3
1795	Wrecking and demolition work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c.	5	137	4 114	(D)	(D)	9 022	3 513	(D)	14	(W)	(D)
1799	Special trade contractors, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
6552	**Land subdividers and developers, n.e.c.**	***17**	***88**	**1 146**	***18 807**	***9 995**	***12 244**	***2 010**	***8 812**	**(S)**	**60**	**60**
	WASHINGTON, DC-MD-VA MSA											
	Construction industries and land subdividers and developers	**8 875**	**143 620**	**3 324 557**	**15 715 244**	**10 728 476**	**6 804 949**	**4 143 416**	**4 986 768**	**230 561**	**1**	**1**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 452	8 658	148 341	788 638	565 723	319 733	265 528	222 915	11 508	4	7
1522	Other residential buildings	132	1 954	44 225	389 482	186 976	106 551	87 847	202 506	1 141	4	3
1531	Operative builders	644	11 325	339 955	3 486 925	1 929 652	1 211 351	772 595	1 557 274	26 982	2	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	54	1 127	22 819	187 111	69 198	42 696	27 771	117 913	908	14	13
1542	Nonresidential buildings, n.e.c.	474	16 956	435 213	3 323 589	1 243 993	793 477	477 991	2 079 596	15 527	1	1

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WASHINGTON, DC-MD-VA MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries**—Con.											
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	137	5 167	127 496	587 790	492 793	309 131	200 577	94 997	30 865	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	135	5 741	124 215	439 319	393 519	258 672	137 549	45 800	24 219	2	2
1629	Heavy construction, n.e.c.	89	6 691	190 370	475 391	390 694	307 459	85 028	84 697	3 859	1	1
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	1 014	16 642	403 200	1 447 257	1 231 774	706 235	536 210	215 482	20 308	1	1
1721	Painting and paper hanging	613	4 697	83 917	230 593	203 261	150 895	53 079	27 331	4 668	4	4
1731	Electrical work	746	14 273	350 675	988 569	966 226	618 649	356 845	22 343	16 494	1	1
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	414	7 139	134 146	360 468	345 072	229 335	119 126	15 396	5 495	3	5
1742	Plastering, drywall, and insulation work	319	7 867	171 109	506 491	467 247	293 551	177 236	39 245	6 226	2	2
1743	Terrazzo, tile, marble, and mosaic work	111	1 205	26 206	75 813	73 293	44 520	30 066	2 520	443	6	4
175	Carpentry and floor work:											
1751	Carpentry	663	5 693	100 029	262 389	227 258	152 118	81 018	35 131	5 183	4	5
1752	Floor laying and other floorwork	197	1 984	44 990	182 022	169 089	97 692	79 036	12 933	3 019	6	8
1761	Roofing, siding, and sheet metal work	367	5 139	111 510	322 691	304 987	206 590	108 400	17 703	9 005	3	3
1771	Concrete work	396	8 525	175 114	607 888	575 660	331 436	248 338	32 228	17 766	3	3
1781	Water well drilling	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	41	1 190	27 316	77 935	74 184	58 687	16 958	3 752	1 421	5	5
1793	Glass and glazing work	73	883	23 932	72 212	70 082	36 080	37 033	2 130	1 143	4	3
1794	Excavation work	195	2 895	69 113	257 996	232 268	180 297	57 075	25 728	13 573	4	4
1795	Wrecking and demolition work	16	483	8 146	24 918	22 766	22 012	1 215	2 152	437	2	1
1796	Installing building equipment, n.e.c.	46	1 538	52 911	146 778	143 182	96 685	(D)	3 596	567	3	2
1799	Special trade contractors, n.e.c.	375	4 064	76 353	276 404	242 838	165 095	94 487	33 566	6 398	9	7
6552	**Land subdividers and developers, n.e.c.**	**155**	**1 433**	**24 572**	**151 464**	**72 532**	**45 407**	**31 946**	**78 932**	1 377	**14**	**19**

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for North Carolina. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 63,708 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $15.6 billion in total value of business done.

Most of the 63,708 construction establishments were small. Of the total, 46,323 were nonemployers, and over half of the employer establishments had less than 5 employees. The 7,284 construction establishments with 5 employees or more, while representing only 11 percent of all establishments, accounted for more than 75 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $13.5 billion on total dollar value of business done. Of this amount, $12.9 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $3.4 billion, leaving net value of construction work of $9.5 billion. In addition, these establishments paid out $4.8 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $5.4 billion. (See Introduction and appendixes for explanation of terms.)

There were 17,385 establishments with total employment averaging 154,844 during the year. Total payroll for 1987 was $2.7 billion. Total hours worked by construction workers during the year were 216 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 46,323 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $2.2 billion. Most of these establishments, about 77 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

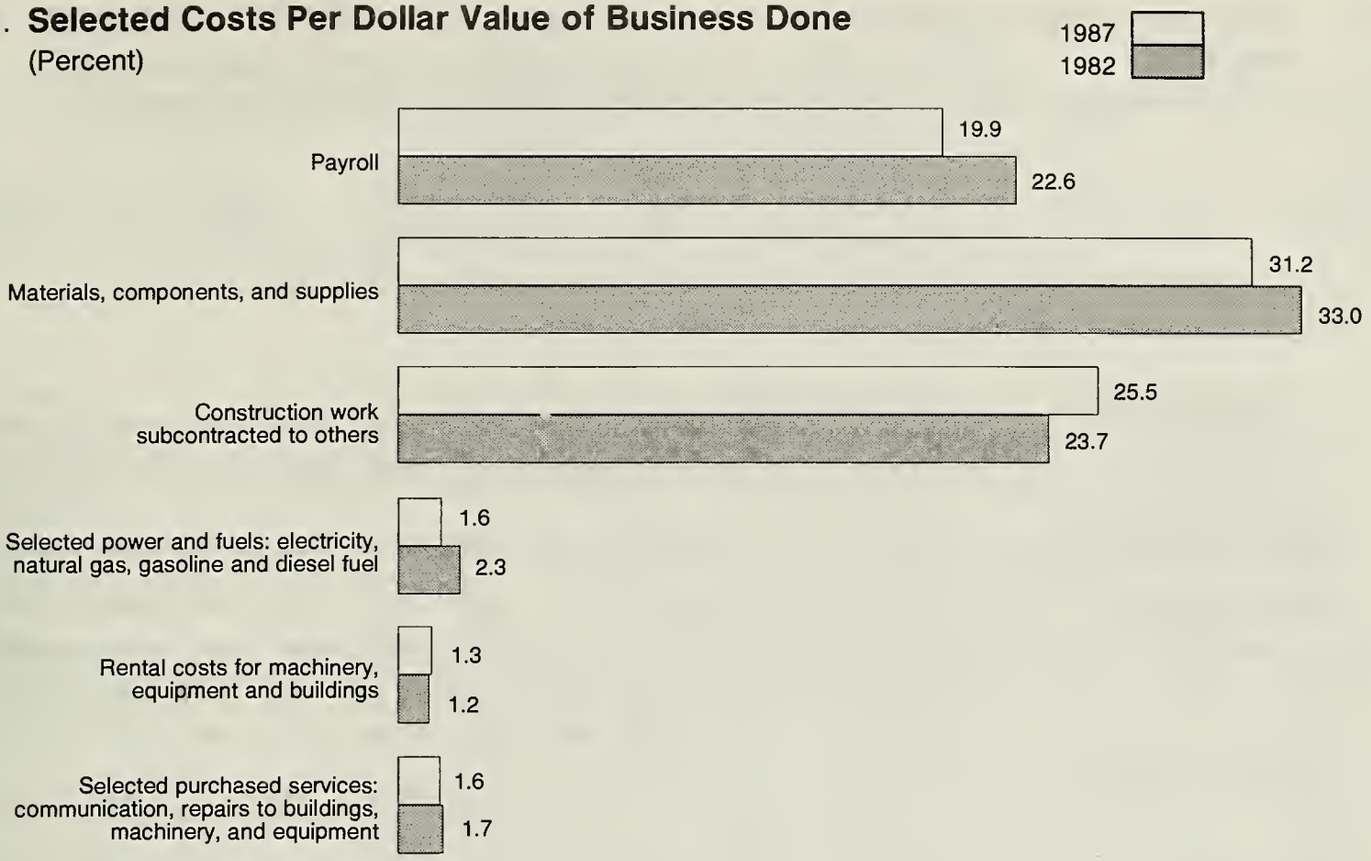


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

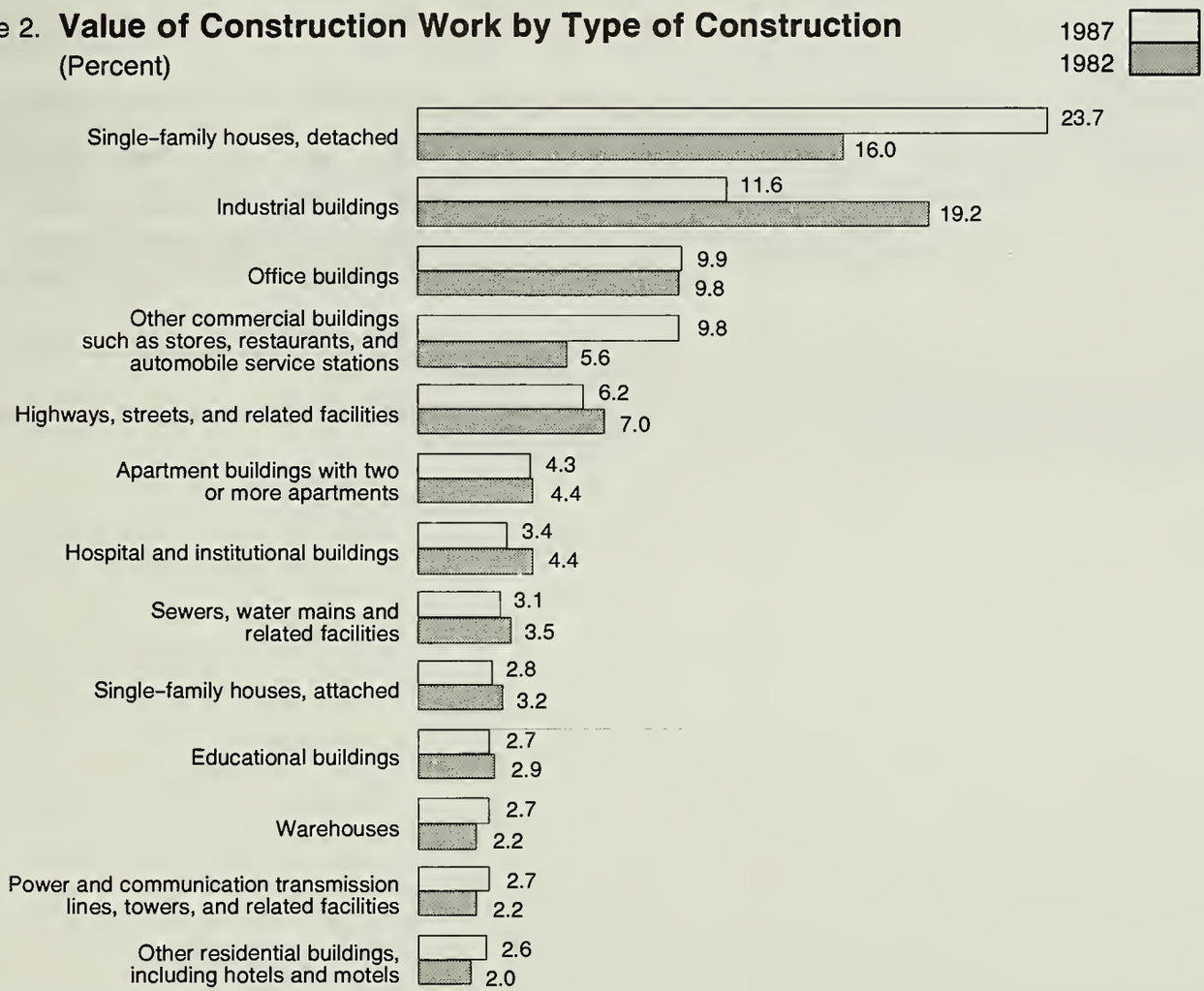


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	63 708	51 351	154 844	15 645 666	46 323	46 041	2 160 706	17 385	5 310	154 844	13 484 960	1	1
15, 16, 17	**Construction industries**	61 761	49 743	153 750	14 973 814	44 658	44 450	1 702 348	17 103	5 293	153 750	13 271 466	1	1
15	**Building construction—General contractors and operative builders**	13 612	9 192	44 372	7 293 011	8 561	8 087	704 107	5 051	1 105	44 372	6 588 904	1	2
16	**Heavy construction other than building construction— contractors**	1 862	983	24 749	2 068 684	649	649	44 316	1 213	334	24 749	2 024 368	1	1
17	**Special trade contractors**	46 287	39 568	84 629	5 612 119	35 448	35 714	953 925	10 839	3 854	84 629	4 658 194	1	1
1711	Plumbing, heating, and air-conditioning	5 293	3 690	21 528	1 521 359	2 961	2 994	118 163	2 332	696	21 528	1 403 196	2	1
1731	Electrical work	4 300	3 167	16 338	964 586	2 681	2 681	72 593	1 619	486	16 338	891 993	2	2
6552	**Land subdividers and developers, n.e.c.[2]**	1 935	1 601	1 084	671 840	1 665	1 591	458 358	270	10	1 084	213 482	9	11
	1982													
	Construction industries and land subdividers and developers	39 566	31 948	111 741	7 464 130	26 866	26 789	849 838	12 700	5 159	111 741	6 614 292	1	1
15, 16, 17	**Construction industries**	38 689	31 420	111 110	7 306 911	26 142	26 265	757 222	12 547	5 155	111 110	6 549 689	1	1
15	**Building construction—General contractors and operative builders**	7 260	4 864	31 927	3 128 896	3 897	3 826	266 492	3 363	1 038	31 927	2 862 404	2	1
16	**Heavy construction other than building construction— contractors**	1 686	1 143	17 024	1 169 386	991	999	39 498	695	144	17 024	1 129 888	2	1
17	**Special trade contractors**	29 743	25 413	62 159	3 008 629	21 254	21 440	451 232	8 489	3 973	62 159	2 557 397	1	1
1711	Plumbing, heating, and air-conditioning	3 936	2 797	16 306	893 350	2 031	2 052	74 785	1 905	745	16 306	818 565	2	2
1731	Electrical work	2 733	1 970	11 175	591 189	1 591	1 606	51 278	1 142	364	11 175	539 911	2	2
6552	**Land subdividers and developers, n.e.c.[2]**	872	526	622	157 211	724	524	92 616	148	2	622	64 595	18	15

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**63 708**	**51 351**	**154 844**	**15 645 666**	**46 323**	**46 041**	**2 160 706**	**17 385**	**5 310**	**154 844**	**13 484 960**	**1**	**1**
$10,000,000 or more	170	9	32 687	4 494 914	3	2	46 888	167	7	32 687	4 448 026	(W)	1
$5,000,000 to $9,999,999	249	34	13 714	1 692 902	11	16	65 858	238	*18	13 714	1 627 044	1	4
$2,500,000 to $4,999,999	555	66	19 453	1 913 513	23	28	78 392	532	38	19 453	1 835 121	1	4
$1,000,000 to $2,499,999	1 632	258	24 795	2 445 629	124	108	177 917	1 508	150	24 795	2 267 712	2	3
$500,000 to $999,999	2 262	749	18 415	1 563 075	374	342	254 009	1 888	407	18 415	1 309 066	3	4
$250,000 to $499,999	3 648	1 629	17 640	1 278 710	896	839	307 847	2 752	790	17 640	970 863	4	4
$100,000 to $249,999	7 393	4 730	17 379	1 168 091	2 909	2 883	445 153	4 484	1 847	17 379	722 938	4	3
$50,000 to $99,999	(S)	(S)	(S)	(S)	4 394	4 381	306 576	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	6 249	6 240	220 869	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	31 340	31 202	257 198	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	10 743	10 717	173 489	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	7 415	7 377	54 037	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	5 399	5 382	19 798	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	7 783	7 726	9 874	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	**39 566**	**31 948**	**111 741**	**7 464 130**	**26 866**	**26 789**	**849 838**	**12 700**	**5 159**	**111 741**	**6 614 292**	**1**	**1**
$10,000,000 or more	70	4	21 801	(D)	1 000	–	(D)	69	4	21 801	(D)	(W)	(D)
$5,000,000 to $9,999,999	104	2	8 602	(D)	2	2	(D)	102	–	8 602	2 886 033	(W)	(W)
$2,500,000 to $4,999,999	254	10	13 133	3 820 730	5	6	72 636	249	4	13 133	862 061	(W)	1
$1,000,000 to $2,499,999	641	60	15 695	971 405	26	25	39 148	615	35	15 695	932 257	2	3
$500,000 to $999,999	1 005	180	11 800	700 667	103	93	71 518	902	87	11 800	629 149	4	4
$250,000 to $499,999	1 922	637	13 343	660 936	258	232	86 062	1 664	405	13 343	574 874	4	4
$100,000 to $249,999	4 041	2 295	13 771	635 423	1 121	1 096	168 614	2 920	1 199	13 771	466 809	4	4
$50,000 to $99,999	4 400	3 347	7 157	312 167	2 026	2 030	140 412	2 374	1 317	7 157	171 755	4	4
$25,000 to $49,999	5 304	4 576	3 913	188 737	3 428	3 499	120 456	1 876	1 077	3 913	68 281	5	4
Less than $25,000	21 823	20 835	2 524	174 063	19 896	19 806	150 992	1 927	1 029	2 524	23 071	4	4
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	6 266	6 273	95 915	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	5 451	5 415	36 864	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	5 207	5 174	15 241	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	2 972	2 944	2 972	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**17 385**	**154 844**	**124 155**	**2 680 093**	**1 914 821**	**216 301**	**12 928 252**	**9 487 132**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	3 074	14 315	10 980	202 833	135 018	17 178	1 348 543	920 773
1522	Other residential buildings	220	2 492	1 927	39 938	27 248	3 297	327 687	163 453
1531	Operative builders	933	5 786	3 039	(D)	48 210	4 934	1 342 046	839 138
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	190	8 606	6 974	204 628	130 228	12 608	1 248 633	578 969
1542	Nonresidential buildings, n.e.c.	634	13 173	10 132	252 033	166 147	18 479	2 026 515	1 054 692
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	293	8 567	7 399	154 320	124 463	13 797	837 893	662 348
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	26	1 694	1 465	34 967	27 242	2 924	144 088	105 262
1623	Water, sewer, and utility lines	373	10 347	9 019	203 350	161 083	17 019	678 904	594 357
1629	Heavy construction, n.e.c.	521	4 141	3 325	71 154	51 809	6 374	290 159	248 638
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	2 332	21 528	16 717	393 921	285 023	30 795	1 380 772	1 283 099
1721	Painting and paper hanging	972	5 049	4 327	67 811	52 901	6 841	168 080	157 489
1731	Electrical work	1 619	16 338	13 408	297 163	226 160	24 958	880 489	842 177
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	1 139	7 242	6 606	88 950	77 509	9 164	229 150	216 935
1742	Plastering, drywall, and insulation work	409	6 092	5 151	107 955	83 172	8 926	339 271	314 727
1743	Terrazzo, tile, marble, and mosaic work	165	1 086	827	18 640	12 075	1 494	65 373	61 202
175	Carpentry and floor work:								
1751	Carpentry	1 228	4 442	3 861	56 494	47 742	5 412	203 491	181 565
1752	Floor laying and other floor work	248	774	628	10 713	8 869	1 095	46 571	43 176
1761	Roofing, siding, and sheet metal work	746	6 266	5 142	87 411	61 801	8 225	310 919	296 828
1771	Concrete work	602	4 631	3 947	63 000	47 720	6 356	247 456	229 404
1781	Water well drilling	146	803	622	11 634	9 064	1 270	47 870	46 684
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	112	1 385	1 134	18 373	14 166	1 932	59 395	51 385
1793	Glass and glazing work	75	1 116	761	22 135	13 192	1 462	72 739	70 908
1794	Excavation work	307	2 176	1 834	34 539	27 560	3 038	153 057	127 924
1795	Wrecking and demolition work	*14	357	306	(D)	2 655	395	17 729	17 229
1796	Installing building equipment, n.e.c.	95	1 319	1 085	31 355	24 028	2 220	113 296	110 043
1799	Special trade contractors, n.e.c.	630	4 025	3 174	60 840	44 563	5 470	220 988	203 669
6552	**Land subdividers and developers, n.e.c.**	**270**	**1 084**	**349**	**21 965**	**5 164**	**625**	**127 126**	**65 047**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††	B	H	M	
I	J	K	L	M	N	O	P	Q				
5 364 564	**4 427 166**	**3 441 119**	**179 901**	**284 885**	**2 004 237**	**111 741**	**6 430 837**	**2 659 520**	**1**	**1**	**3**	
												15, 16, 17
												15
												152
452 570	499 754	427 770	9 410	15 345	109 568	9 448	532 014	188 051	4	4	12	1521
86 421	84 159	164 233	2 728	2 915	12 555	1 796	194 522	41 420	8	9	26	1522
(D)	480 766	502 907	4 824	(D)	(D)	2 904	325 634	68 685	5	6	(D)	1531
												154
257 847	329 755	669 664	25 183	15 693	115 784	9 738	900 657	345 895	2	2	6	1541
597 499	498 893	971 822	12 636	15 711	105 750	8 041	842 179	217 217	3	4	12	1542
												16
375 077	346 370	175 545	26 599	47 805	315 596	6 882	437 300	161 671	2	2	7	1611
												162
44 494	60 813	38 825	3 918	6 067	34 606	609	52 548	11 698	3	3	7	1622
413 071	189 506	84 547	14 743	46 607	271 383	7 104	358 661	123 982	2	3	5	1623
171 677	82 918	41 521	11 603	12 958	136 098	2 429	255 408	161 627	6	6	16	1629
												17
705 150	600 373	97 672	17 010	26 896	185 497	16 306	802 393	403 470	2	2	7	1711
116 462	44 496	10 591	2 198	4 351	24 700	3 345	75 191	51 691	6	5	17	1721
469 475	384 206	38 312	12 722	13 235	92 600	11 175	530 616	245 053	2	2	8	1731
												174
154 956	64 242	12 214	3 130	6 310	33 652	4 204	70 386	45 307	4	5	13	1741
177 962	148 256	24 543	5 684	4 524	30 152	5 289	195 398	103 250	3	3	12	1742
33 913	27 339	4 170	466	1 086	5 352	722	25 920	12 820	9	9	38	1743
												175
114 013	70 095	21 925	1 603	2 861	15 995	2 999	81 006	40 293	6	9	17	1751
22 317	24 157	3 395	450	*520	*6 913	733	26 853	14 385	10	12	57	1752
169 277	131 854	14 091	4 401	6 466	42 537	5 197	197 431	98 394	4	3	15	1761
137 446	94 919	18 052	4 504	6 522	42 453	3 076	115 421	67 940	6	8	15	1771
29 666	19 098	1 185	218	2 895	25 999	501	26 321	14 140	12	11	29	1781
												179
37 878	15 295	8 010	1 966	3 468	19 748	849	29 037	20 052	8	10	39	1791
39 623	41 196	1 830	1 354	1 213	7 113	1 018	47 697	26 799	5	4	23	1793
94 919	34 359	25 133	5 296	7 541	70 941	3 049	114 344	80 001	9	8	24	1794
(D)	3 483	500	1 054	(D)	(D)	160	(D)	(D)	2	2	(D)	1795
81 046	31 579	3 253	1 278	993	7 666	1 020	58 541	39 460	6	11	19	1796
128 173	91 589	17 318	3 858	5 643	34 983	2 516	(D)	(D)	6	7	23	1799
47 672	**27 684**	**62 079**	**1 052**	13 339	65 **782**	**622**	**37 247**	**17 870**	**9**	**11**	**32**	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	17 385	12 700	14 363	13 642	1	2	2	3
Proprietors and working partners	5 310	5 159	9 260	10 316	3	3	3	3
All employees**	154 844	111 741	116 261	131 261	1	1	1	2
Construction workers:								
March	118 337	89 895	93 192	106 855	1	1	1	2
May	124 223	93 604	103 548	113 691	1	1	1	2
August	130 484	93 974	106 968	119 082	1	1	1	2
November	123 576	89 123	99 507	111 157	1	1	1	2
Average	124 155	92 814	100 865	113 986	1	1	1	2
Other employees:								
March	30 280	18 638	14 902	16 666	1	1	2	2
May	30 405	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
August	30 874	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
November	31 202	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Average	30 690	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	48 604	38 741	(NA)	(NA)	1	1	(NA)	(NA)
April to June	54 783	42 222	(NA)	(NA)	1	1	(NA)	(NA)
July to September	58 084	43 161	(NA)	(NA)	1	1	(NA)	(NA)
October to December	54 828	39 686	(NA)	(NA)	1	1	(NA)	(NA)
Total hours worked	216 301	163 812	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	2 680 093	1 496 029	1 031 016	874 654	1	1	1	1
Payroll, construction workers	1 914 821	1 121 045	817 350	705 067	1	1	1	1
Payroll, other employees	765 272	374 983	213 667	169 587	1	1	1	2
First quarter payroll, all employees	598 146	352 983	219 262	(NA)	1	1	1	(NA)
Employer costs for fringe benefits, all employees	455 536	271 326	140 790	(NA)	1	1	1	(NA)
Legally required expenditures	342 429	204 666	102 776	(NA)	1	1	1	(NA)
Voluntary expenditures	113 107	66 660	38 014	(NA)	1	1	1	(NA)
Dollar value of business done	13 484 960	6 614 292	4 489 268	3 610 418	1	1	1	2
Value of construction work[1]	12 928 252	6 430 837	4 329 842	3 446 283	1	1	1	2
Value of construction work subcontracted in from others	2 714 452	1 147 018	910 629	570 917	2	2	1	3
Land receipts[2]	252 111	59 638	(NA)	(NA)	6	7	(NA)	(NA)
Other business receipts	304 597	123 815	159 427	164 135	3	3	3	5
Net value of construction†	9 487 132	4 866 088	3 414 120	2 697 124	1	1	1	2
Value added††	5 364 564	2 659 520	1 833 095	1 493 020	1	1	1	2
Selected costs	7 868 285	3 895 132	2 600 238	2 025 430	1	1	1	2
Materials, components, and supplies[3]	4 207 024	2 181 097	1 592 509	1 276 271	1	1	1	2
Construction work subcontracted to others	3 441 119	1 564 749	915 722	749 159	1	1	1	2
Selected power, fuels, and lubricants	220 141	149 285	92 007	(NA)	1	1	1	(NA)
Electricity	31 546	18 563	10 025	(NA)	3	2	3	(NA)
Natural gas	6 223	3 612	3 853	(NA)	5	4	4	(NA)
Gasoline and diesel fuel	167 624	116 167	68 876	(NA)	1	1	1	(NA)
On highway use	123 654	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Off highway use	43 970	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	14 747	10 943	9 253	(NA)	2	2	3	(NA)
Rental cost for machinery, equipment, and buildings	179 901	78 231	54 597	(NA)	2	1	2	(NA)
For machinery and equipment	133 209	61 583	46 523	44 269	2	2	2	8
For buildings	46 692	16 647	8 074	(NA)	3	2	2	(NA)
Selected purchased services	214 801	111 078	101 657	(NA)	2	1	1	(NA)
Communication services	53 385	27 720	19 177	(NA)	2	2	2	(NA)
Repairs to buildings and other structures	11 251	5 672	4 094	(NA)	3	6	10	(NA)
Repairs to machinery and equipment	150 163	77 686	78 386	(NA)	2	1	1	(NA)
Ownership of construction projects:								
Value of construction work	12 928 252	6 430 837	4 329 842	3 446 283	1	1	1	2
Government owned	2 005 317	1 362 700	1 072 155	851 903	2	2	1	2
Federal	658 525	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
State and local	1 346 792	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Privately owned	10 922 934	5 068 137	3 257 687	2 594 380	1	1	1	2

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	1 805 920	1 193 349	2	2
Capital expenditures, other than land	284 885	113 797	3	3
New	231 836	84 879	3	3
Used	53 048	28 917	5	5
Retirements and disposition of depreciable assets	86 568	59 631	4	4
End-of-year gross book value of depreciable assets	2 004 237	1 247 514	2	2
Depreciation charges during year	253 761	154 697	2	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	387 432	200 609	5	5
Capital expenditures, other than land	51 714	16 855	10	12
New buildings and other structures	41 740	13 700	12	7
Used buildings and other structures	9 974	3 155	13	27
Retirements and disposition of depreciable assets	19 136	9 131	8	22
End-of-year gross book value of depreciable assets	420 011	208 333	5	5
Depreciation charges during year	40 510	16 396	8	5
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	1 418 487	992 740	2	1
Capital expenditures, other than land	233 171	96 941	3	3
New machinery and equipment, including automobiles and trucks	190 096	71 179	3	3
New automobiles and trucks, intended primarily for highway use	94 037	29 129	3	3
Used machinery and equipment, including automobiles and trucks	43 074	25 762	5	4
Retirements and disposition of depreciable assets	67 432	50 500	4	3
End-of-year gross book value of depreciable assets	1 584 226	1 039 181	2	2
Depreciation charges during year	213 251	138 300	2	2

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	17 385	1
Value of construction work	12 928 252	1
Establishments with inventories:		
Number	5 905	3
Value of construction work	6 949 091	2
Inventories[1]:		
End of 1987, materials and supplies	175 844	11
End of 1986, materials and supplies	154 271	10
Establishments with no inventories:		
Number	8 359	2
Value of construction work	4 195 690	2
Establishments not reporting:		
Number	3 121	4
Value of construction work	1 783 471	3

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	17 385	(S)	3 889	1 961	1 007	273	117	28	6	3
All employees**	154 844	(S)	24 595	25 854	29 571	18 396	16 997	9 457	9 534	(D)
Payroll, all employees	2 680 093	(S)	339 205	410 813	540 554	369 292	340 864	197 884	227 814	(D)
Construction worker hours (thousands)	216 301	(S)	31 399	33 448	43 632	29 575	26 029	14 931	13 945	(D)
Dollar value business done	13 484 960	(S)	1 685 923	2 026 098	2 457 622	1 754 819	1 597 445	930 543	1 205 129	(D)
Value of construction work[1]	12 928 252	(S)	1 600 292	1 935 007	2 362 406	1 695 982	1 547 040	2 075 831	(D)	(D)
Net value of construction work†	9 487 132	(S)	1 290 663	1 500 641	1 840 266	1 238 140	1 097 386	1 209 489	(D)	(D)
Value added††	5 364 564	(S)	699 385	852 009	1 065 171	710 441	619 584	396 100	316 840	(D)
Cost of materials, components, supplies, and fuels	4 427 166	(S)	619 380	691 537	833 573	568 271	521 897	272 423	283 967	(D)
Cost of construction work subcontracted to others	3 441 119	(S)	309 628	434 366	522 139	457 841	449 654	262 020	604 322	(D)
Rental cost for machinery, equipment, and buildings	179 901	(S)	18 772	24 595	34 464	23 440	23 353	16 730	26 335	(D)
Capital expenditures, other than land	284 885	(S)	37 661	45 922	48 526	33 393	21 498	21 895	36 347	(D)
End-of-year gross book value of depreciable assets	2 004 237	(S)	267 186	306 327	379 433	236 783	173 834	152 079	212 780	(D)
1982										
All employees**	111 741	16 289	16 484	16 782	21 082	12 655	11 119	6 747	10 582	(D)
Value of construction work[1]	6 430 837	704 615	683 617	776 040	1 169 196	817 029	829 233	1 451 107	(D)	(D)
Value added††	2 659 520	301 069	315 623	359 718	519 973	322 989	257 730	582 417	(D)	(D)
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	(S)	3	3	2	1	(W)	(W)	(W)	(D)
Net value of construction work†	1	(S)	4	3	3	1	(W)	(W)	(D)	(D)
Capital expenditures, other than land	3	(S)	10	8	7	3	(W)	(W)	(W)	(D)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	17 385	(S)	(S)	(S)	4 484	2 752	1 888	1 508	532	238	167
All employees**	154 844	(S)	(S)	(S)	17 379	17 640	18 415	24 795	19 453	13 714	32 687
Payroll, all employees	2 680 093	(S)	(S)	(S)	200 782	236 728	297 163	450 487	383 841	290 397	730 070
Construction worker hours (thousands)	216 301	(S)	(S)	(S)	20 598	23 227	23 569	36 856	28 478	21 151	49 933
Dollar value of business done	13 484 960	(S)	(S)	(S)	722 938	970 863	1 309 066	2 267 712	1 835 121	1 627 044	4 448 026
Value of construction work[1]	12 928 252	(S)	(S)	(S)	708 455	940 684	1 263 623	2 143 781	1 751 131	1 539 845	4 279 843
Net value of construction work†	9 487 132	(S)	(S)	(S)	644 384	811 998	1 049 176	1 680 401	1 342 671	1 114 318	2 563 407
Value added††	5 364 564	(S)	(S)	(S)	392 338	473 972	580 258	926 389	756 914	608 607	1 449 162
Cost of materials, components, supplies, and fuels	4 427 166	(S)	(S)	(S)	260 829	357 909	491 359	807 371	630 204	541 922	1 231 929
Cost of construction work subcontracted to others	3 441 119	(S)	(S)	(S)	64 071	128 685	214 447	463 380	408 459	425 527	1 716 435
Rental cost for machinery, equipment, and buildings	179 901	(S)	(S)	(S)	7 057	12 161	17 377	29 484	23 924	21 612	65 336
Capital expenditures, other than land	284 885	(S)	(S)	(S)	17 988	32 824	31 429	48 086	36 626	28 956	82 297
End-of-year gross book value of depreciable assets	2 004 237	(S)	(S)	(S)	140 569	198 235	213 542	354 655	278 282	215 087	557 334
1982											
All employees**	111 741	2 524	3 913	7 157	13 771	13 343	11 800	15 695	13 133	8 602	21 801
Value of construction work[1]	6 430 837	22 614	67 249	169 457	455 320	560 961	604 381	889 281	828 606	661 346	2 171 620
Value added††	2 659 520	11 974	37 255	91 179	223 101	263 475	281 075	402 324	372 412	243 656	733 066
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	4	4	3	2	1	1	(W)
Net value of construction work†	1	(S)	(S)	(S)	3	4	4	3	3	3	2
Capital expenditures, other than land	3	(S)	(S)	(S)	10	11	11	11	7	10	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see Introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**12 928 252**	**9 147 510**	**1 984 259**	**1 121 025**	**1**	**1**	**1**	**2**
Building construction	**9 905 401**	**7 497 545**	**1 602 776**	**733 434**	**1**	**1**	**2**	**2**
Single-family houses	3 415 987	2 815 355	379 220	221 411	2	3	4	4
Single-family houses, detached	3 060 417	2 513 965	349 143	197 308	2	3	4	4
Single-family houses, attached	355 570	301 390	30 076	24 103	6	7	13	9
Apartment buildings with two or more apartments	558 445	487 899	45 426	25 119	8	9	15	8
Other residential buildings, including hotels and motels	330 260	255 409	47 355	27 495	4	4	9	10
Hotels and motels	234 838	198 815	23 404	12 619	4	5	4	5
Other residential buildings, excluding hotels and motels	95 422	56 594	23 951	14 876	9	8	18	17
Office buildings	1 275 968	998 999	211 341	65 627	2	2	5	3
Other commercial buildings such as stores, restaurants, and automobile service stations	1 261 093	934 344	227 144	99 604	2	2	3	6
Industrial buildings and warehouses	1 844 987	1 203 040	425 515	216 431	1	2	2	3
Industrial buildings	1 502 196	938 997	368 310	194 888	2	2	2	3
Warehouses	342 790	264 043	57 204	21 542	2	3	5	5
Religious buildings	151 186	98 597	40 645	11 943	5	5	7	8
Educational buildings	343 163	237 938	82 149	23 074	4	5	4	4
Hospitals and institutional buildings	443 026	298 860	116 370	27 796	9	13	3	4
Amusement, social, and recreational buildings	66 528	51 999	9 977	4 551	7	8	17	4
Other nonresidential buildings	143 111	115 105	17 634	10 383	7	7	10	22
Land development for buildings	71 647	(NA)	(NA)	(NA)	17	(NA)	(NA)	(NA)
Nonbuilding construction	**2 419 040**	**1 649 964**	**381 483**	**387 592**	**1**	**2**	**2**	**2**
Highways, streets, and related facilities	794 862	533 632	103 844	157 385	2	2	3	1
Bridges, tunnels, and elevated highways	165 154	(D)	(D)	*4 153	4	(D)	(D)	45
Power and communication transmission lines, towers, and related facilities	342 887	183 931	69 374	89 582	2	3	2	2
Sewers, water mains, and related facilities	401 523	330 477	41 630	29 415	4	4	9	6
Sewers, sewer lines, and related facilities	220 660	181 797	25 197	13 665	4	4	10	8
Water mains and related facilities	180 863	148 680	16 433	15 749	5	6	11	7
Blast furnaces, petroleum refineries, and chemical complexes	17 105	7 277	6 699	3 129	21	23	40	30
Power plants	44 300	22 251	3 982	18 066	3	3	15	3
Sewage treatment and water treatment plants	75 436	50 884	20 038	4 514	7	6	18	35
Sewage treatment plants	46 366	32 610	12 339	1 417	6	7	12	6
Water treatment plants	29 069	18 273	7 699	*3 096	14	11	37	51
Earthmoving, nonbuilding	125 395	94 577	9 179	21 638	7	7	17	12
Other nonbuilding construction	452 378	(D)	(D)	59 710	12	(D)	(D)	17
Construction work, n.s.k.	**603 810**	**(NA)**	**(NA)**	**(NA)**	**6**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**6 430 837**	**5 423 134**	**(NA)**	**1 007 703**	**1**	**1**	**(NA)**	**1**
Building construction	**4 699 889**	**4 063 467**	**(NA)**	**636 422**	**1**	**1**	**(NA)**	**1**
Single-family houses	1 239 475	1 037 143	(NA)	202 332	2	3	(NA)	3
Single-family houses, detached	1 031 026	845 514	(NA)	185 511	3	3	(NA)	3
Single-family houses, attached	208 448	191 628	(NA)	16 820	5	5	(NA)	12
Apartment buildings with two or more apartments	283 122	259 742	(NA)	23 380	2	2	(NA)	4
Other residential buildings, including hotels and motels	128 826	115 639	(NA)	13 187	3	3	(NA)	6
Office buildings	631 599	558 132	(NA)	73 466	1	1	(NA)	2
Other commercial buildings such as stores, restaurants, and automobile service stations	361 848	300 413	(NA)	61 434	2	2	(NA)	4
Industrial buildings and warehouses	1 378 813	1 191 375	(NA)	187 438	1	1	(NA)	2
Industrial buildings	1 234 375	1 065 150	(NA)	169 224	1	1	(NA)	3
Warehouses	144 438	126 224	(NA)	18 213	3	4	(NA)	4
Religious buildings	72 008	60 582	(NA)	11 426	4	5	(NA)	6
Educational buildings	189 480	165 690	(NA)	23 789	2	3	(NA)	4
Hospitals and institutional buildings	282 729	256 216	(NA)	26 513	2	2	(NA)	2
Amusement, social, and recreational buildings	31 341	29 357	(NA)	1 983	6	7	(NA)	10
Other nonresidential buildings	131 989	118 535	(NA)	13 457	4	4	(NA)	16
Nonbuilding construction	**1 321 779**	**1 041 046**	**(NA)**	**280 732**	**1**	**1**	**(NA)**	**3**
Highways, streets, and related facilities	452 885	280 716	(NA)	172 168	2	3	(NA)	4
Bridges, tunnels, and elevated highways	69 794	69 001	(NA)	793	2	1	(NA)	13
Dam and reservoir construction	4 409	4 263	(NA)	*146	4	2	(NA)	61
Power and communication transmission lines, towers, and related facilities	145 064	104 162	(NA)	40 902	4	5	(NA)	3
Sewers, water mains, and related facilities	227 475	205 074	(NA)	22 401	3	3	(NA)	9
Sewers, sewer lines, and related facilities	132 815	120 372	(NA)	12 443	3	4	(NA)	11
Water mains and related facilities	94 659	84 702	(NA)	9 957	6	5	(NA)	14
Heavy industrial facilities	181 483	(D)	(NA)	(D)	(W)	(D)	(NA)	(D)
Blast furnaces, petroleum refineries, and chemical complexes	7 548	3 823	(NA)	3 725	6	2	(NA)	12
Power plants	173 935	(D)	(NA)	(D)	(W)	(D)	(NA)	(D)
Sewage treatment and water treatment plants	119 923	118 214	(NA)	1 708	2	1	(NA)	19
Sewage treatment plants	93 351	92 609	(NA)	741	1	1	(NA)	27
Water treatment plants	26 571	25 604	(NA)	966	5	6	(NA)	25
Other nonbuilding construction	120 746	(D)	(NA)	(D)	9	(D)	(NA)	(D)
Construction work, n.s.k.	**409 169**	**318 620**	**(NA)**	**90 548**	**3**	**3**	**(NA)**	**3**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**17 385**	**124 155**	**216 301**	**118 337**	**48 604**	**124 223**	**54 783**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	3 074	10 980	17 178	11 016	4 003	11 294	4 478
1522	Other residential buildings	220	1 927	3 297	1 950	811	1 948	838
1531	Operative builders	933	3 039	4 934	2 933	1 150	(D)	1 297
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	190	6 974	12 608	7 109	3 160	6 594	2 939
1542	Nonresidential buildings, n.e.c.	634	10 132	18 479	9 970	4 363	10 152	4 640
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	293	7 399	13 797	6 116	2 394	7 675	3 738
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	26	1 465	2 924	1 350	634	1 508	773
1623	Water, sewer, and utility lines	373	9 019	17 019	8 434	3 689	8 879	4 288
1629	Heavy construction, n.e.c.	521	3 325	6 374	3 172	1 423	3 288	1 616
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	2 332	16 717	30 795	15 972	7 109	16 546	7 660
1721	Painting and paper hanging	972	4 327	6 841	3 662	1 308	4 228	1 648
1731	Electrical work	1 619	13 408	24 958	12 630	5 716	13 256	6 230
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	1 139	6 606	9 164	6 621	2 156	6 655	2 369
1742	Plastering, drywall, and insulation work	409	5 151	8 926	4 713	1 972	4 995	2 172
1743	Terrazzo, tile, marble, and mosaic work	165	827	1 494	825	343	829	373
175	Carpentry and floor work:							
1751	Carpentry	1 228	3 861	5 412	3 761	1 193	3 780	1 347
1752	Floor laying and other floor work	248	628	1 095	625	239	620	276
1761	Roofing, siding, and sheet metal work	746	5 142	8 225	5 032	1 800	5 216	2 170
1771	Concrete work	602	3 947	6 356	3 498	1 316	4 002	1 658
1781	Water well drilling	146	622	1 270	625	311	647	331
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	112	1 134	1 932	1 068	508	1 038	447
1793	Glass and glazing work	75	761	1 462	740	342	751	366
1794	Excavation work	307	1 834	3 038	1 695	658	1 969	827
1795	Wrecking and demolition work	*14	306	395	304	93	(D)	95
1796	Installing building equipment, n.e.c.	95	1 085	2 220	1 142	571	1 061	534
1799	Special trade contractors, n.e.c.	630	3 174	5 470	3 001	1 182	3 346	1 485
6552	**Land subdividers and developers, n.e.c.**	**270**	**349**	**625**	**361**	**146**	**347**	**175**

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
130 484	**58 084**	**123 576**	**54 828**	**1**	**1**	1	**1**	**1**	**1**	**1**	1	**1**	1	
														15, 16, 17
														15
														152
11 352	4 491	10 258	4 205	4	5	4	5	4	5	4	5	3	5	1521
1 943	804	1 867	843	9	11	9	12	9	12	10	12	10	15	1522
3 113	1 305	(D)	1 181	6	8	6	8	(D)	8	6	8	(D)	8	1531
														154
7 085	3 216	7 108	3 292	2	3	2	2	2	3	2	3	2	3	1541
10 413	4 795	9 993	4 680	3	4	3	4	3	4	3	4	3	4	1542
														16
8 149	4 057	7 660	3 607	2	3	2	3	2	3	2	3	2	3	1611
														162
1 541	791	1 462	725	3	6	3	6	3	6	3	5	4	6	1622
9 342	4 681	9 427	4 360	2	3	2	3	2	3	2	3	2	3	1623
3 337	1 663	3 503	1 671	6	9	7	10	6	9	8	10	6	8	1629
														17
17 569	8 183	16 784	7 842	2	2	2	2	2	2	2	2	2	2	1711
4 891	2 050	4 527	1 833	6	8	6	7	6	8	7	9	6	10	1721
14 366	6 685	13 382	6 325	2	2	2	2	2	2	2	2	2	2	1731
														174
														1741
6 857	2 418	6 295	2 219	4	5	5	6	4	5	4	5	5	5	
5 605	2 437	5 289	2 344	3	4	4	5	3	4	4	4	3	4	1742
819	384	833	392	10	12	10	11	10	12	10	13	10	13	1743
														175
4 186	1 503	3 718	1 366	6	8	7	8	7	9	6	9	6	9	1751
665	298	601	280	10	17	9	13	12	19	12	19	11	18	1752
5 344	2 224	4 978	2 029	4	5	4	5	4	5	4	5	4	5	1761
4 273	1 791	4 016	1 589	6	7	6	8	6	7	6	7	7	9	1771
642	327	574	300	12	17	11	16	12	17	12	17	11	16	1781
														179
1 175	463	1 254	513	8	11	9	13	8	11	8	10	12	14	1791
780	375	775	377	5	5	4	4	4	6	5	6	5	6	1793
1 941	843	1 729	708	9	11	10	11	9	12	9	11	9	11	1794
317	104	(D)	101	2	(W)	3	(W)	(D)	(W)	2	(W)	(D)	(W)	1795
1 061	549	1 078	564	6	10	8	10	7	10	6	11	6	9	1796
3 354	1 477	2 994	1 325	7	9	7	8	7	8	7	9	8	11	1799
353	156	336	**146**	**13**	**16**	**13**	**17**	**13**	**15**	**13**	**14**	**14**	**18**	**6552**

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**8.9**	**17.3**	**1 742.2**	**104.1**	**.207**	**.342**	**.266**	**.014**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4.7	14.2	1 564.5	122.8	.150	.371	.317	.007
1522	Other residential buildings	11.3	16.0	1 710.9	170.1	.122	.257	.501	.008
1531	Operative builders	6.2	(D)	1 623.6	441.6	(D)	.358	.375	.004
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	45.3	23.8	1 807.9	179.0	.164	.264	.536	.020
1542	Nonresidential buildings, n.e.c.	20.8	19.1	1 823.8	200.0	.124	.246	.480	.006
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	29.2	18.0	1 864.7	113.2	.184	.413	.210	.032
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	65.2	20.6	1 995.9	98.4	.243	.422	.269	.027
1623	Water, sewer, and utility lines	27.7	19.7	1 887.0	75.3	.300	.279	.125	.022
1629	Heavy construction, n.e.c.	7.9	17.2	1 917.0	87.3	.245	.286	.143	.040
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	9.2	18.3	1 842.1	82.6	.285	.435	.071	.012
1721	Painting and paper hanging	5.2	13.4	1 581.0	38.8	.403	.265	.063	.013
1731	Electrical work	10.1	18.2	1 861.4	65.7	.337	.436	.044	.014
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	6.4	12.3	1 387.2	34.7	.388	.280	.053	.014
1742	Plastering, drywall, and insulation work	14.9	17.7	1 732.9	65.9	.318	.437	.072	.017
1743	Terrazzo, tile, marble, and mosaic work	6.6	17.2	1 806.5	79.0	.285	.418	.064	.007
175	Carpentry and floor work:								
1751	Carpentry	3.6	12.7	1 401.7	52.7	.278	.344	.108	.008
1752	Floor laying and other floor work	3.1	13.8	1 743.6	74.2	.230	.519	.073	.010
1761	Roofing, siding, and sheet metal work	8.4	14.0	1 599.6	60.5	.281	.424	.045	.014
1771	Concrete work	7.7	13.6	1 610.3	62.7	.255	.384	.073	.018
1781	Water well drilling	5.5	14.5	2 041.8	77.0	.243	.399	.025	.005
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	12.4	13.3	1 703.7	52.4	.309	.258	.135	.033
1793	Glass and glazing work	14.9	19.8	1 921.2	95.6	.304	.566	.025	.019
1794	Excavation work	7.1	15.9	1 656.5	83.5	.226	.224	.164	.035
1795	Wrecking and demolition work	*25.5	(D)	1 290.8	57.9	(D)	.196	.028	.059
1796	Installing building equipment, n.e.c.	13.9	23.8	2 046.1	104.4	.277	.279	.029	.011
1799	Special trade contractors, n.e.c.	6.4	15.1	1 723.4	69.6	.275	.414	.078	.017
6552	**Land subdividers and developers, n.e.c.**	**4.0**	**20.3**	**1 790.8**	**364.3**	**.173**	**.218**	**.488**	**.008**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	CHARLOTTE-GASTONIA-ROCK HILL, NC-SC MSA											
	Construction industries and land subdividers and developers	3 275	38 524	755 935	3 749 413	2 528 295	1 417 695	1 175 301	1 221 118	76 067	1	1
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	517	2 706	43 963	242 019	177 934	84 340	95 266	64 085	1 901	8	7
1522	Other residential buildings	41	549	8 988	94 746	39 034	22 389	20 447	55 712	*640	17	17
1531	Operative builders	138	969	25 723	267 037	174 579	81 200	94 683	92 457	3 371	10	10
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	41	5 009	(D)	(D)	327 577	122 785	205 735	(D)	10 968	1	1
1542	Nonresidential buildings, n.e.c.	130	3 206	65 966	657 348	316 203	200 196	126 466	341 145	6 407	5	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	50	1 566	31 915	178 495	151 698	81 916	81 261	26 797	11 097	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	11	1 101	24 011	(D)	(D)	28 062	(D)	(D)	(D)	4	(D)
1623	Water, sewer, and utility lines	53	1 608	33 512	118 019	105 371	69 691	37 670	12 648	3 867	5	5
1629	Heavy construction, n.e.c.	89	828	13 878	60 305	48 203	29 331	19 397	12 102	1 518	15	12
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	464	4 952	100 978	328 003	300 721	171 544	136 802	27 283	5 578	3	3
1721	Painting and paper hanging	212	1 227	18 130	46 329	43 546	31 433	12 260	2 783	1 427	13	10
1731	Electrical work	306	3 628	72 839	187 974	179 580	114 929	65 134	8 394	5 406	3	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	185	1 806	27 276	71 365	69 324	49 393	19 950	2 041	1 663	6	10
1742	Plastering, drywall, and insulation work	103	2 278	41 413	130 668	122 973	72 837	54 472	7 695	1 164	3	4
1743	Terrazzo, tile, marble, and mosaic work	23	271	5 137	16 369	14 946	8 167	(D)	1 423	99	9	16
175	Carpentry and floor work:											
1751	Carpentry	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1752	Floor laying and other floorwork	47	202	2 402	11 224	10 502	6 366	(D)	722	(S)	27	16
1761	Roofing, siding, and sheet metal work	129	1 556	25 135	88 225	83 563	48 938	36 186	4 663	1 678	7	6
1771	Concrete work	114	1 156	18 868	63 364	59 714	33 481	26 339	3 650	1 750	7	8
1781	Water well drilling	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	42	410	6 947	21 470	20 958	14 598	6 384	*512	524	20	18
1793	Glass and glazing work	20	423	9 280	28 773	28 161	14 375	(D)	612	545	2	1
1794	Excavation work	61	321	5 567	23 438	20 417	15 617	4 870	3 022	*2 181	14	14
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	21	350	8 905	24 977	23 633	16 882	8 784	1 344	*190	7	5
1799	Special trade contractors, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
6552	**Land subdividers and developers, n.e.c.**	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	GREENSBORO--WINSTON-SALEM--HIGH POINT, NC MSA											
	Construction industries and land subdividers and developers	2 471	25 542	480 553	2 090 483	1 598 770	946 188	718 035	491 713	35 517	2	2
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	374	2 507	39 953	267 304	144 707	87 443	68 025	122 597	2 523	9	10
1522	Other residential buildings	35	535	9 477	61 946	36 824	22 549	14 792	25 123	666	10	11
1531	Operative builders	157	771	15 944	166 659	112 884	75 722	48 193	53 775	1 686	14	18
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	21	594	15 926	104 054	52 232	19 399	33 185	51 822	989	7	6
1542	Nonresidential buildings, n.e.c.	89	1 847	38 267	228 612	119 278	58 924	(D)	109 334	1 340	6	7

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	GREENSBORO--WINSTON-SALEM--HIGH POINT, NC MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16,17	**Construction industries**—Con.											
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	37	727	10 171	82 073	(D)	43 609	45 572	(D)	2 816	5	(D)
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	54	1 814	34 436	135 145	112 253	84 191	(D)	22 892	8 011	6	5
1629	Heavy construction, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	337	4 782	101 680	344 822	310 859	164 279	149 452	33 963	5 823	2	2
1721	Painting and paper hanging	133	777	11 479	24 445	23 157	17 812	5 627	1 288	*303	10	9
1731	Electrical work	225	3 484	73 641	224 457	210 375	108 537	102 577	14 082	2 541	3	2
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	195	1 156	14 098	35 770	34 034	25 710	(D)	1 737	735	10	10
1742	Plastering, drywall, and insulation work	83	1 310	23 231	68 872	64 224	38 285	28 530	4 648	1 153	9	8
1743	Terrazzo, tile, marble, and mosaic work	14	118	2 600	7 449	(D)	4 500	2 663	(D)	67	1	(D)
175	Carpentry and floor work:											
1751	Carpentry	131	587	9 060	31 179	27 784	16 474	11 806	3 395	*277	11	11
1752	Floor laying and other floorwork	55	145	2 793	12 295	10 905	4 836	7 115	*1 389	(S)	20	32
1761	Roofing, siding, and sheet metal work	115	739	12 735	42 998	40 358	21 998	18 488	2 640	703	12	11
1771	Concrete work	108	765	12 465	49 092	43 793	22 659	22 076	5 299	691	11	10
1781	Water well drilling	*18	94	1 656	5 992	(D)	3 805	2 461	(D)	*578	30	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	7	53	884	2 541	(D)	1 691	913	(D)	57	(W)	(D)
1793	Glass and glazing work	6	125	2 369	6 952	6 882	4 377	(D)	70	(D)	5	8
1794	Excavation work	49	458	8 651	33 625	29 160	21 698	(D)	4 464	*625	16	11
1795	Wrecking and demolition work	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	20	543	13 202	51 690	51 336	36 943	14 465	354	263	13	6
1799	Special trade contractors, n.e.c.	107	688	11 826	32 032	30 558	19 672	12 653	1 474	*991	15	11
6552	**Land subdividers and developers, n.e.c.**	32	79	2 223	*13 504	*2 817	(D)	*1 947	*10 686	(S)	37	46
	RALEIGH-DURHAM, NC MSA											
	Construction industries and land subdividers and developers	2 371	21 905	389 157	2 030 774	1 426 311	795 774	670 736	604 464	39 919	2	2
15,16,17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	356	1 409	17 734	128 598	90 304	45 429	45 906	38 294	2 055	9	13
1522	Other residential buildings	39	521	9 308	90 478	33 163	10 197	23 484	57 316	*207	15	14
1531	Operative builders	232	1 499	32 220	381 848	234 886	85 945	155 377	146 961	3 228	8	10
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	21	639	14 080	86 153	44 598	33 523	11 081	41 555	(D)	8	8
1542	Nonresidential buildings, n.e.c.	86	2 369	48 718	397 386	177 739	99 155	(D)	219 646	2 867	5	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	41	1 086	20 855	105 491	80 997	49 164	32 208	24 494	8 378	8	5
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1623	Water, sewer, and utility lines	44	978	17 582	64 352	59 463	35 700	24 886	4 889	2 921	9	12
1629	Heavy construction, n.e.c.	51	333	7 801	27 321	22 868	16 615	(D)	4 453	957	19	16

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	RALEIGH-DURHAM, NC MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries**—Con.											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	263	3 125	60 468	206 370	194 258	111 992	85 099	12 112	3 490	3	3
1721	Painting and paper hanging	151	877	12 772	31 055	28 765	21 798	7 918	2 290	*1 014	14	12
1731	Electrical work	193	2 219	40 477	124 000	120 237	69 982	51 536	3 763	1 764	4	4
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	120	934	10 861	26 713	25 450	16 723	(D)	1 263	*661	12	15
1742	Plastering, drywall, and insulation work	55	1 144	22 198	64 499	59 912	33 030	28 725	4 588	1 024	3	3
1743	Terrazzo, tile, marble, and mosaic work	27	286	5 230	20 833	(D)	9 999	8 817	(D)	*740	20	(D)
175	Carpentry and floor work:											
1751	Carpentry	249	936	12 586	43 480	36 706	23 382	13 658	6 774	384	14	16
1752	Floor laying and other floorwork	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1761	Roofing, siding, and sheet metal work	92	847	11 111	41 118	40 356	24 037	16 604	762	*615	9	7
1771	Concrete work	72	572	7 439	21 171	20 363	14 002	(D)	808	*448	16	12
1781	Water well drilling	25	(D)	(D)	7 939	7 251	5 205	2 726	*689	*564	(D)	27
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	10	233	4 024	13 442	12 037	10 275	(D)	1 405	459	19	11
1793	Glass and glazing work	17	189	3 477	15 240	(D)	(D)	9 087	(D)	39	11	(D)
1794	Excavation work	39	336	5 857	24 189	20 608	15 796	4 856	*3 582	*1 766	19	20
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	28	287	6 738	*27 312	*26 520	*21 061	(D)	*792	279	11	45
1799	Special trade contractors, n.e.c.	63	393	5 913	19 660	18 923	11 501	7 887	737	471	18	17
6552	**Land subdividers and developers, n.e.c.**	54	310	6 283	45 564	22 354	16 062	7 677	23 210	(S)	21	18

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for South Carolina. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 25,455 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $9.8 billion in total value of business done.

Most of the 25,455 construction establishments were small. Of the total, 17,679 were nonemployers, and over half of the employer establishments had less than 5 employees. The 3,465 construction establishments with 5 employees or more, while representing only 14 percent of all establishments, accounted for more than 82 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $8.8 billion on total dollar value of business done. Of this amount, $7.9 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $2.1 billion, leaving net value of construction work of $5.8 billion. In addition, these establishments paid out $3.0 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $3.8 billion. (See Introduction and appendixes for explanation of terms.)

There were 7,776 establishments with total employment averaging 95,354 during the year. Total payroll for 1987 was $1.8 billion. Total hours worked by construction workers during the year were 135 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 17,679 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $1.1 billion. Most of these establishments, about 74 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

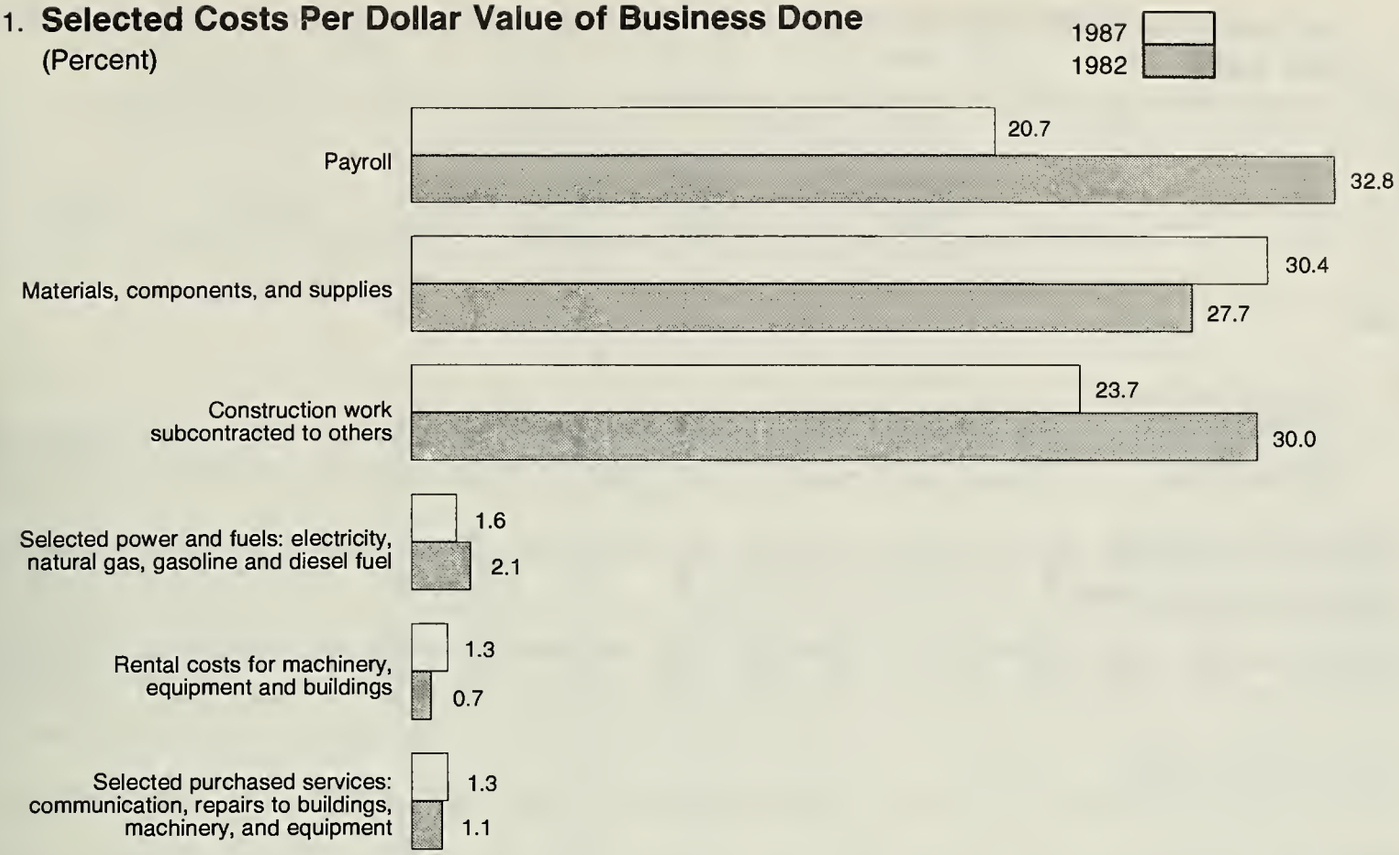


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

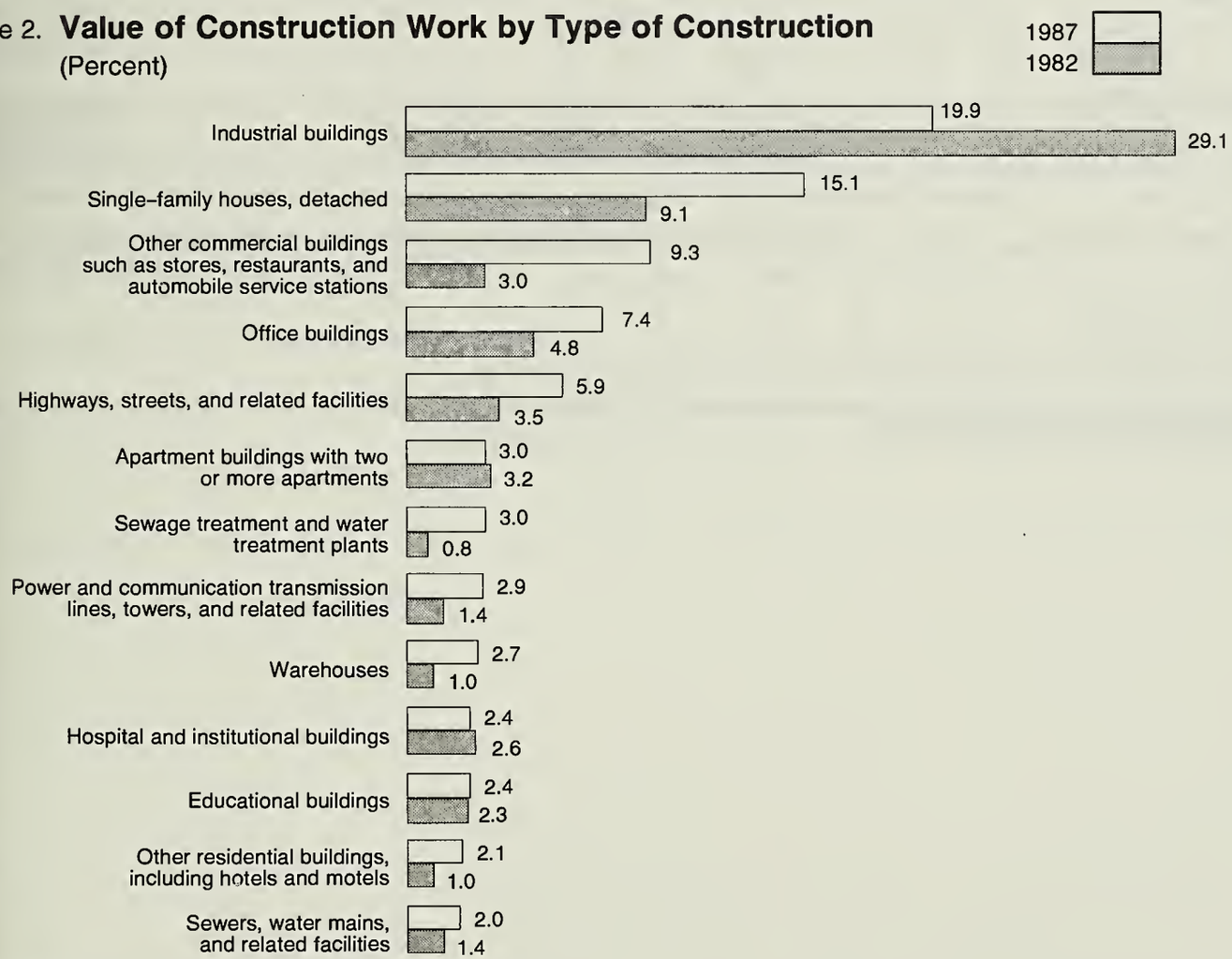


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	25 455	19 216	95 354	9 815 592	17 679	17 379	1 066 463	7 776	1 837	95 354	8 749 129	1	1
15, 16, 17	**Construction industries**	24 628	18 497	94 989	9 473 167	16 970	16 691	818 700	7 658	1 806	94 989	8 654 467	1	1
15	**Building construction—General contractors and operative builders**	5 991	3 731	23 356	3 844 713	3 610	3 277	394 383	2 381	454	23 356	3 450 330	2	2
16	**Heavy construction other than building construction— contractors**	818	310	29 911	3 084 442	241	247	38 544	577	63	29 911	3 045 898	1	1
17	**Special trade contractors**	17 819	14 456	41 722	2 544 013	13 119	13 167	385 774	4 700	1 289	41 722	2 158 239	1	1
1711	Plumbing, heating, and air-conditioning	2 416	1 664	10 514	738 175	1 356	1 360	60 123	1 060	304	10 514	678 052	2	2
1731	Electrical work	1 654	1 100	9 542	487 093	1 009	1 001	27 865	645	99	9 542	459 228	2	2
6552	**Land subdividers and developers, n.e.c.[2]**	816	712	353	342 417	709	688	247 763	107	24	353	94 654	9	3
	1982													
	Construction industries and land subdividers and developers	15 079	11 263	99 580	6 221 913	9 051	8 955	378 444	6 028	2 308	99 580	5 843 469	1	1
15, 16, 17	**Construction industries**	14 698	10 985	98 288	6 058 522	8 759	8 680	301 861	5 939	2 305	98 288	5 756 661	1	1
15	**Building construction—General contractors and operative builders**	3 672	2 363	17 905	1 552 345	1 924	1 787	134 783	1 748	576	17 905	1 417 562	2	2
16	**Heavy construction other than building construction— contractors**	476	187	44 508	2 858 540	112	116	5 165	364	71	44 508	2 853 375	(W)	(W)
17	**Special trade contractors**	10 550	8 435	35 875	1 647 637	6 723	6 777	161 913	3 827	1 658	35 875	1 485 724	2	1
1711	Plumbing, heating, and air-conditioning	1 656	1 172	8 370	444 096	811	813	28 864	845	359	8 370	415 232	3	2
1731	Electrical work	962	663	10 555	444 363	506	509	12 374	456	154	10 555	431 989	1	1
6552	**Land subdividers and developers, n.e.c.[2]**	376	275	1 289	163 386	292	275	76 583	84	-	1 289	86 803	7	5

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	25 455	19 216	95 354	9 815 592	17 679	17 379	1 066 463	7 776	1 837	95 354	8 749 129	1	1
$10,000,000 or more	89	6	35 502	4 664 093	4	–	60 424	85	6	35 502	4 603 669	(W)	(W)
$5,000,000 to $9,999,999	132	7	7 944	(D)	10	4	71 745	122	3	7 944	(D)	1	(D)
$2,500,000 to $4,999,999	265	15	10 284	1 737 431	15	14	52 517	250	1	10 284	1 684 914	2	3
$1,000,000 to $2,499,999	703	80	11 085	1 074 951	82	65	126 532	621	15	11 085	948 419	3	5
$500,000 to $999,999	1 030	250	8 851	709 497	175	151	119 492	855	99	8 851	590 005	5	5
$250,000 to $499,999	1 764	697	9 468	615 729	382	333	133 072	1 382	364	9 468	482 657	6	6
$100,000 to $249,999	(S)	(S)	(S)	(S)	1 234	1 154	192 189	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	1 782	1 750	124 329	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	2 524	2 521	89 771	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	11 471	11 387	96 394	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	4 062	4 042	66 217	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	2 666	2 652	19 248	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	2 040	2 021	7 441	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	2 703	2 672	3 487	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	15 079	11 263	99 580	6 221 913	9 051	8 955	378 444	6 028	2 308	99 580	5 843 469	1	1
$10,000,000 or more	43	4	53 453	(D)	1	2	(D)	42	2	53 453	3 512 443	(W)	(W)
$5,000,000 to $9,999,999	70	2	6 378	(D)	2	2	(D)	68	–	6 378	468 793	(W)	(W)
$2,500,000 to $4,999,999	128	8	5 960	4 472 671	5	6	58 225	123	2	5 960	433 210	(W)	1
$1,000,000 to $2,499,999	359	24	8 763	540 254	20	19	32 016	339	5	8 763	508 238	3	4
$500,000 to $999,999	495	100	6 518	343 708	38	36	27 740	457	64	6 518	315 968	5	6
$250,000 to $499,999	861	293	6 151	305 207	117	97	40 075	744	196	6 151	265 132	5	7
$100,000 to $249,999	1 910	1 023	6 493	292 364	483	442	71 646	1 427	581	6 493	220 718	5	5
$50,000 to $99,999	1 817	1 354	3 070	129 826	761	771	52 235	1 056	583	3 070	77 591	7	6
$25,000 to $49,999	2 150	1 732	1 686	76 081	1 289	1 299	45 298	861	433	1 686	30 783	8	6
Less than $25,000	7 244	6 723	1 106	61 801	6 335	6 281	51 209	909	442	1 106	10 592	7	7
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	2 233	2 218	34 977	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	1 585	1 577	10 687	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	1 572	1 571	4 600	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	945	915	945	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**7 776**	**95 354**	**77 732**	**1 812 753**	**1 315 337**	**135 252**	**7 870 379**	**5 798 488**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	1 562	6 838	5 242	88 976	60 519	7 976	642 020	455 251
1522	Other residential buildings	66	1 300	1 050	23 915	14 641	1 810	199 197	95 037
1531	Operative builders	249	1 924	854	(D)	11 481	1 128	328 818	153 345
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	114	6 181	4 940	170 616	129 030	8 764	1 272 287	764 238
1542	Nonresidential buildings, n.e.c.	390	7 113	5 525	134 798	90 138	9 763	882 236	461 755
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	156	4 786	4 086	79 452	60 975	8 478	481 091	354 326
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	15	825	662	20 014	14 705	1 536	102 591	78 572
1623	Water, sewer, and utility lines	146	3 170	2 712	53 411	41 474	5 314	184 473	162 987
1629	Heavy construction, n.e.c.	260	21 130	17 928	549 720	395 848	30 582	1 596 464	1 256 453
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	1 060	10 514	8 279	183 169	133 011	14 932	669 171	616 123
1721	Painting and paper hanging	488	2 790	2 427	32 468	26 564	3 720	96 043	85 523
1731	Electrical work	645	9 542	7 978	176 956	136 130	15 169	455 758	440 323
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	424	3 241	2 966	35 679	31 782	4 265	94 081	86 773
1742	Plastering, drywall, and insulation work	216	2 327	1 918	32 095	24 567	3 207	132 538	126 392
1743	Terrazzo, tile, marble, and mosaic work	77	604	485	9 833	6 807	954	28 996	28 376
175	Carpentry and floor work:								
1751	Carpentry	461	1 878	1 662	22 700	19 196	2 726	82 365	73 725
1752	Floor laying and other floor work	106	404	294	5 041	3 360	439	21 529	20 242
1761	Roofing, siding, and sheet metal work	305	2 593	2 203	36 019	26 412	3 784	126 373	119 579
1771	Concrete work	219	2 201	1 907	25 562	19 929	2 624	95 921	88 691
1781	Water well drilling	50	294	238	5 468	4 055	559	19 316	19 159
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	63	648	547	10 230	8 196	602	34 924	32 254
1793	Glass and glazing work	54	585	382	10 377	6 054	683	37 242	36 852
1794	Excavation work	112	930	774	15 601	12 592	1 511	64 769	59 407
1795	Wrecking and demolition work	*13	*55	*50	(D)	*431	*90	1 757	1 715
1796	Installing building equipment, n.e.c.	45	677	569	14 192	11 209	1 049	37 322	35 605
1799	Special trade contractors, n.e.c.	362	2 439	1 965	33 275	25 195	3 431	123 568	115 155
6552	**Land subdividers and developers, n.e.c.**	**107**	**353**	**74**	**7 493**	**1 026**	**135**	**59 521**	**30 622**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
3 787 970	**2 802 017**	**2 071 890**	**114 218**	**120 952**	818 578	99 580	5 679 199	**2 312 738**	1	1	3	
												15, 16, 17
												15
												152
222 500	251 189	186 769	4 869	5 954	72 020	5 574	342 766	119 470	5	6	19	1521
36 859	59 494	104 159	1 933	1 537	12 295	1 429	160 170	44 659	10	10	16	1522
53 427	112 042	175 473	1 659	1 661	27 152	1 318	111 523	44 818	8	11	27	1531
												154
443 024	344 600	508 049	13 790	2 252	20 457	5 267	372 059	153 672	2	1	16	1541
248 366	227 360	420 480	7 893	6 787	51 072	4 317	373 758	109 030	3	3	10	1542
												16
195 099	169 432	126 764	9 920	25 079	168 391	2 617	194 549	99 286	3	4	9	1611
												162
31 931	46 916	24 018	2 950	1 884	29 425	383	36 596	14 202	5	2	11	1622
114 204	53 247	21 486	5 986	12 026	65 293	2 524	118 086	72 745	5	4	10	1623
1 213 412	(D)	340 010	31 884	15 367	63 356	(D)	(D)	(D)	1	1	12	1629
												17
320 578	304 426	53 048	7 256	8 624	72 802	8 370	404 968	196 737	2	2	11	1711
61 875	24 443	10 520	1 329	2 385	11 566	2 183	46 934	32 798	8	9	30	1721
281 256	162 536	15 435	8 049	14 115	70 452	10 555	428 660	293 880	2	2	4	1731
												174
62 445	26 632	7 308	1 212	1 186	7 606	2 010	36 416	23 321	6	6	27	1741
72 098	55 343	6 145	1 715	(D)	9 928	1 985	85 987	48 221	7	7	(D)	1742
17 436	(D)	619	205	463	3 307	371	11 862	6 701	14	15	18	1743
												175
48 313	25 770	8 640	656	1 261	5 722	1 366	47 935	21 976	9	10	32	1751
11 325	9 104	1 286	295	151	2 134	357	16 087	7 596	25	19	28	1752
66 796	54 400	6 794	1 879	2 196	12 513	2 320	87 896	45 600	5	5	17	1761
54 817	34 629	7 230	1 421	2 951	20 439	1 279	52 308	24 739	12	11	27	1771
11 942	(D)	157	226	71	6 053	143	7 223	3 940	20	20	20	1781
												179
23 962	9 410	2 670	938	959	6 348	580	23 623	16 791	18	11	15	1791
19 173	23 465	389	617	341	5 219	382	21 461	10 617	8	7	24	1793
48 470	12 205	5 361	3 480	3 069	32 350	1 508	74 778	46 338	12	9	29	1794
1 545	(D)	42	65	(S)	(S)	(D)	(S)	(S)	41	31	(S)	1795
27 610	9 956	1 717	727	1 510	5 853	722	37 788	25 642	10	1	10	1796
72 845	47 454	8 413	2 781	4 869	30 013	(D)	(D)	(D)	9	10	27	1799
26 652	8 386	**28 899**	**471**	**(D)**	5 163	**1 289**	55 868	**32 935**	9	**4**	**(D)**	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	7 776	6 028	6 478	6 676	1	2	3	3
Proprietors and working partners	1 837	2 308	4 299	4 845	6	4	5	5
All employees**	95 354	99 580	84 877	74 036	1	1	1	2
Construction workers:								
March	76 723	81 326	73 720	61 622	1	1	1	2
May	78 264	83 909	77 721	63 518	1	1	1	2
August	79 737	79 538	79 114	69 630	1	1	1	2
November	76 205	77 943	75 943	68 797	1	1	1	2
Average	77 732	81 183	76 654	66 519	1	1	1	2
Other employees:								
March	17 826	18 188	7 950	7 210	1	1	2	3
May	17 163	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
August	17 683	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
November	17 815	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Average	17 622	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	32 602	24 489	(NA)	(NA)	1	1	(NA)	(NA)
April to June	34 077	27 739	(NA)	(NA)	1	1	(NA)	(NA)
July to September	35 187	40 675	(NA)	(NA)	1	1	(NA)	(NA)
October to December	33 385	39 444	(NA)	(NA)	1	1	(NA)	(NA)
Total hours worked	135 252	132 349	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	1 812 753	1 917 734	933 801	519 501	1	(W)	1	1
Payroll, construction workers	1 315 337	1 662 937	809 610	446 375	1	(W)	1	1
Payroll, other employees	497 416	254 797	124 191	73 126	1	1	2	2
First quarter payroll, all employees	425 809	211 740	209 276	(NA)	1	1	1	(NA)
Employer costs for fringe benefits, all employees	516 363	339 401	125 305	(NA)	(W)	1	1	(NA)
Legally required expenditures	320 952	285 848	86 191	(NA)	1	(W)	1	(NA)
Voluntary expenditures	195 410	53 553	39 114	(NA)	(W)	1	1	(NA)
Dollar value of business done	8 749 129	5 843 469	3 104 040	2 092 830	1	1	1	2
Value of construction work[1]	7 870 379	5 679 199	3 025 605	2 035 799	1	1	1	2
Value of construction work subcontracted in from others	1 308 331	1 127 203	529 041	297 363	3	1	2	3
Land receipts[2]	87 250	39 864	(NA)	(NA)	8	5	(NA)	(NA)
Other business receipts	791 499	124 405	78 435	57 031	1	2	4	8
Net value of construction†	5 798 488	3 926 774	2 397 898	1 555 155	1	1	1	2
Value added††	3 787 970	2 312 738	1 281 897	822 221	1	1	1	2
Selected costs	4 873 908	3 490 866	1 798 147	1 240 070	1	1	1	2
Materials, components, and supplies[3]	2 661 780	1 617 335	1 125 522	759 426	1	1	1	2
Construction work subcontracted to others	2 071 890	1 752 425	627 707	480 644	1	1	1	2
Selected power, fuels, and lubricants	140 237	121 106	44 917	(NA)	1	1	2	(NA)
Electricity	18 476	16 504	6 154	(NA)	3	1	2	(NA)
Natural gas	3 565	2 896	1 267	(NA)	2	2	9	(NA)
Gasoline and diesel fuel	108 266	93 174	32 628	(NA)	1	2	2	(NA)
On highway use	76 940	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Off highway use	31 325	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	9 928	8 531	4 872	(NA)	2	2	4	(NA)
Rental cost for machinery, equipment, and buildings	114 218	42 267	32 334	(NA)	2	2	2	(NA)
For machinery and equipment	77 787	31 331	27 458	23 839	3	3	2	3
For buildings	36 431	10 936	4 876	(NA)	2	3	3	(NA)
Selected purchased services	114 973	65 111	44 338	(NA)	2	2	3	(NA)
Communication services	31 123	19 702	10 906	(NA)	2	2	2	(NA)
Repairs to buildings and other structures	5 839	3 310	2 083	(NA)	4	4	14	(NA)
Repairs to machinery and equipment	78 010	42 098	31 349	(NA)	2	2	3	(NA)
Ownership of construction projects:								
Value of construction work	7 870 379	5 679 199	3 025 605	2 035 799	1	1	1	2
Government owned	1 096 415	644 669	409 279	476 185	3	4	1	3
Federal	318 263	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
State and local	778 152	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Privately owned	6 773 964	5 034 529	2 616 326	1 559 614	1	1	1	2

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	733 964	636 113	3	2
Capital expenditures, other than land	120 952	67 426	3	3
New	97 276	51 662	4	2
Used	23 676	15 764	7	6
Retirements and disposition of depreciable assets	36 338	32 108	5	3
End-of-year gross book value of depreciable assets	818 578	671 431	3	2
Depreciation charges during year	103 355	83 489	3	2
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	167 569	122 901	8	4
Capital expenditures, other than land	13 855	11 754	10	7
New buildings and other structures	10 331	10 034	11	5
Used buildings and other structures	3 523	1 719	26	32
Retirements and disposition of depreciable assets	7 508	6 449	10	7
End-of-year gross book value of depreciable assets	173 915	128 206	8	4
Depreciation charges during year	17 103	13 509	8	4
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	566 395	513 212	3	3
Capital expenditures, other than land	107 097	55 672	4	3
New machinery and equipment, including automobiles and trucks	86 945	41 628	4	2
New automobiles and trucks, intended primarily for highway use	40 830	15 163	5	4
Used machinery and equipment, including automobiles and trucks	20 152	14 044	7	6
Retirements and disposition of depreciable assets	28 829	25 658	6	2
End-of-year gross book value of depreciable assets	644 662	543 225	3	3
Depreciation charges during year	86 251	69 980	3	2

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	7 776	1
Value of construction work	7 870 379	1
Establishments with inventories:		
Number	2 408	4
Value of construction work	2 788 066	3
Inventories[1]:		
End of 1987, materials and supplies	64 002	5
End of 1986, materials and supplies	56 953	6
Establishments with no inventories:		
Number	3 890	3
Value of construction work	4 017 181	1
Establishments not reporting:		
Number	1 478	6
Value of construction work	1 065 132	3

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	7 776	(S)	(S)	977	486	159	51	15	7	4
All employees**	95 354	(S)	(S)	12 566	14 676	10 854	7 279	4 840	5 009	20 334
Payroll, all employees	1 812 753	(S)	(S)	187 266	249 388	201 597	143 115	106 090	94 582	574 712
Construction worker hours (thousands)	135 252	(S)	(S)	16 790	20 842	17 720	11 396	7 351	8 878	28 335
Dollar value business done	8 749 129	(S)	(S)	886 746	2 187 315	(D)	1 087 232	(D)	3 141 358	(D)
Value of construction work[1]	7 870 379	(S)	(S)	2 003 336	(D)	1 631 398	(D)	2 858 756	(D)	(D)
Net value of construction work†	5 798 488	(S)	(S)	669 087	865 469	691 078	453 738	235 509	222 918	1 594 006
Value added††	3 787 970	(S)	(S)	379 414	887 851	(D)	393 736	(D)	1 548 933	(D)
Cost of materials, components, supplies, and fuels	2 802 017	(S)	(S)	714 732	(D)	533 851	(D)	1 035 461	(D)	(D)
Cost of construction work subcontracted to others	2 071 890	(S)	(S)	468 778	(D)	486 582	(D)	806 323	(D)	(D)
Rental cost for machinery, equipment, and buildings	114 218	(S)	(S)	12 353	16 992	13 438	10 399	5 507	5 044	33 159
Capital expenditures, other than land	120 952	(S)	(S)	18 903	22 532	18 995	7 541	14 924	10 912	(D)
End-of-year gross book value of depreciable assets	818 578	(S)	(S)	143 045	158 418	143 382	86 128	55 420	47 486	(D)
1982										
All employees**	99 580	7 450	7 421	8 156	11 826	8 078	6 367	2 854	47 427	(D)
Value of construction work[1]	5 679 199	336 385	309 080	372 558	676 502	549 337	481 827	2 953 510	(D)	(D)
Value added††	2 312 738	147 703	156 707	176 196	285 284	222 506	1 324 341	(D)	(D)	(D)
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	(S)	(S)	4	3	1	(W)	(W)	(W)	(W)
Net value of construction work†	1	(S)	(S)	5	2	1	(W)	(W)	(W)	(W)
Capital expenditures, other than land	3	(S)	(S)	13	6	4	(W)	(W)	(W)	(D)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	7 776	(S)	(S)	(S)	(S)	1 382	855	621	250	122	85
All employees**	95 354	(S)	(S)	(S)	(S)	9 468	8 851	11 085	10 284	7 944	35 502
Payroll, all employees	1 812 753	(S)	(S)	(S)	(S)	122 022	135 898	195 895	188 491	149 933	901 148
Construction worker hours (thousands)	135 252	(S)	(S)	(S)	(S)	11 905	12 214	16 318	15 339	12 276	53 095
Dollar value of business done	8 749 129	(S)	(S)	(S)	(S)	482 657	590 005	948 419	1 684 914	(D)	4 603 669
Value of construction work[1]	7 870 379	(S)	(S)	(S)	(S)	473 621	573 035	1 739 256	(D)	4 652 789	(D)
Net value of construction work†	5 798 488	(S)	(S)	(S)	(S)	413 458	470 816	715 163	643 781	534 783	2 631 218
Value added††	3 787 970	(S)	(S)	(S)	(S)	229 001	263 988	408 877	652 820	(D)	1 999 215
Cost of materials, components, supplies, and fuels	2 802 017	(S)	(S)	(S)	(S)	189 519	217 987	650 313	(D)	1 584 106	(D)
Cost of construction work subcontracted to others	2 071 890	(S)	(S)	(S)	(S)	60 163	102 218	380 311	(D)	1 486 787	(D)
Rental cost for machinery, equipment, and buildings	114 218	(S)	(S)	(S)	(S)	8 544	11 441	11 647	11 399	7 583	58 654
Capital expenditures, other than land	120 952	(S)	(S)	(S)	(S)	12 816	10 666	22 139	15 701	16 846	34 761
End-of-year gross book value of depreciable assets	818 578	(S)	(S)	(S)	(S)	71 674	108 441	131 514	119 150	129 553	197 169
1982											
All employees**	99 580	1 106	1 686	3 070	6 493	6 151	6 518	8 763	5 960	6 378	53 453
Value of construction work[1]	5 679 199	10 402	30 342	75 895	217 357	255 285	308 259	491 767	410 430	456 353	3 423 108
Value added††	2 312 738	5 995	16 441	39 297	107 140	128 853	149 013	227 355	186 913	169 383	1 282 346
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	(S)	6	5	3	2	1	(W)
Net value of construction work†	1	(S)	(S)	(S)	(S)	6	5	4	3	4	(W)
Capital expenditures, other than land	3	(S)	(S)	(S)	(S)	15	14	12	7	14	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**7 870 379**	**5 524 998**	**1 158 119**	**751 857**	**1**	**1**	**2**	**2**
Building construction	**5 393 617**	**4 085 014**	**842 382**	**422 595**	**1**	**1**	**2**	**2**
Single-family houses	1 319 201	1 012 361	212 170	94 670	4	5	6	6
Single-family houses, detached	1 185 410	905 401	194 597	85 411	4	5	6	6
Single-family houses, attached	133 790	106 959	17 572	9 259	9	11	25	12
Apartment buildings with two or more apartments	235 890	200 478	*22 876	12 535	8	8	40	13
Other residential buildings, including hotels and motels	161 967	141 259	12 673	8 034	4	4	15	7
Hotels and motels	111 250	100 691	5 391	5 167	3	3	14	8
Other residential buildings, excluding hotels and motels	50 717	40 567	7 282	2 867	9	10	20	11
Office buildings	580 081	443 199	81 074	55 808	2	2	9	3
Other commercial buildings such as stores, restaurants, and automobile service stations	731 584	532 233	139 776	59 574	2	2	4	4
Industrial buildings and warehouses	1 780 468	1 417 334	219 084	144 049	1	1	1	2
Industrial buildings	1 567 046	1 249 536	178 057	139 451	1	1	2	2
Warehouses	213 422	167 797	41 026	4 597	3	4	3	14
Religious buildings	71 997	48 957	18 442	4 597	8	8	11	12
Educational buildings	192 314	125 819	52 544	13 949	4	4	8	23
Hospitals and institutional buildings	187 918	114 262	61 509	12 147	4	4	7	8
Amusement, social, and recreational buildings	32 101	24 447	5 711	1 942	7	7	23	11
Other nonresidential buildings	56 471	24 665	16 523	15 290	11	12	24	9
Land development for buildings	43 625	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)
Nonbuilding construction	**2 084 983**	**1 439 984**	**315 736**	**329 262**	**1**	**1**	**3**	**2**
Highways, streets, and related facilities	467 346	271 713	105 510	90 121	4	5	7	3
Outdoor swimming pools	37 405	29 678	2 696	5 031	22	23	28	28
Parking areas including private driveways	36 123	23 515	8 707	3 900	19	18	29	35
Bridges, tunnels, and elevated highways	101 075	85 971	14 090	1 014	2	2	(W)	(W)
Power and communication transmission lines, towers, and related facilities	227 306	153 645	40 007	33 653	1	1	(W)	1
Sewers, water mains, and related facilities	158 447	136 564	9 507	12 374	5	6	17	8
Sewers, sewer lines, and related facilities	94 697	82 054	6 523	6 120	6	6	24	14
Water mains and related facilities	63 749	54 510	2 983	6 254	7	8	8	7
Power plants	83 566	22 815	(D)	(D)	1	(W)	(D)	(D)
Sewage treatment and water treatment plants	238 197	193 568	(D)	(D)	1	1	(D)	(D)
Earthmoving, nonbuilding	40 262	28 889	4 044	*7 328	14	12	13	54
Other nonbuilding construction	695 256	493 626	95 441	106 196	16	17	24	27
Construction work, n.s.k.	**391 778**	**(NA)**	**(NA)**	**(NA)**	**4**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**5 679 199**	**5 019 510**	**(NA)**	**659 688**	**1**	**1**	**(NA)**	**2**
Building construction	**3 430 655**	**3 005 565**	**(NA)**	**425 090**	**1**	**1**	**(NA)**	**2**
Single-family houses	658 920	546 983	(NA)	111 936	3	3	(NA)	5
Single-family houses, detached	518 632	415 370	(NA)	103 262	4	4	(NA)	5
Single-family houses, attached	140 287	131 613	(NA)	8 673	3	3	(NA)	7
Apartment buildings with two or more apartments	181 392	170 222	(NA)	11 170	3	3	(NA)	6
Other residential buildings, including hotels and motels	70 424	63 229	(NA)	7 194	4	4	(NA)	10
Office buildings	272 452	232 443	(NA)	40 008	2	2	(NA)	4
Other commercial buildings such as stores, restaurants, and automobile service stations	171 347	144 458	(NA)	26 889	3	3	(NA)	7
Industrial buildings and warehouses	1 709 746	1 530 247	(NA)	179 498	(W)	(W)	(NA)	2
Industrial buildings	1 650 841	1 482 941	(NA)	167 900	(W)	(W)	(NA)	2
Warehouses	58 904	47 305	(NA)	11 598	5	7	(NA)	15
Religious buildings	40 702	34 529	(NA)	6 172	5	5	(NA)	7
Educational buildings	129 036	111 837	(NA)	17 198	2	2	(NA)	10
Hospitals and institutional buildings	146 373	129 109	(NA)	17 264	3	3	(NA)	3
Amusement, social, and recreational buildings	24 229	22 328	(NA)	1 901	7	6	(NA)	24
Other nonresidential buildings	50 263	42 508	(NA)	7 761	4	3	(NA)	12
Nonbuilding construction	**2 014 917**	**1 831 261**	**(NA)**	**183 656**	**(W)**	**1**	**(NA)**	**3**
Highways, streets, and related facilities	199 898	122 231	(NA)	77 666	4	4	(NA)	6
Bridges, tunnels, and elevated highways	44 060	40 332	(NA)	3 727	2	(W)	(NA)	27
Power and communication transmission lines, towers, and related facilities	81 530	63 897	(NA)	17 632	2	2	(NA)	2
Sewers, water mains, and related facilities	78 209	68 507	(NA)	9 701	7	8	(NA)	10
Sewers, sewer lines, and related facilities	50 010	43 742	(NA)	6 267	11	13	(NA)	16
Water mains and related facilities	28 198	24 765	(NA)	3 433	7	7	(NA)	16
Sewage treatment and water treatment plants	45 223	44 437	(NA)	785	4	4	(NA)	13
Sewage treatment plants	31 586	30 988	(NA)	598	5	6	(NA)	2
Water treatment plants	13 636	13 449	(NA)	*187	2	2	(NA)	53
Other nonbuilding construction	1 565 997	1 491 857	(NA)	74 145	17	18	(NA)	33
Construction work, n.s.k.	**233 626**	**182 684**	**(NA)**	**50 941**	**4**	**5**	**(NA)**	**6**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	7 776	77 732	135 252	76 723	32 602	78 264	34 077
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	1 562	5 242	7 976	5 306	2 010	5 394	2 055
1522	Other residential buildings	66	1 050	1 810	1 100	492	1 028	427
1531	Operative builders	249	854	1 128	813	288	867	294
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	114	4 940	8 764	4 565	1 975	5 021	2 199
1542	Nonresidential buildings, n.e.c.	390	5 525	9 763	5 299	2 282	5 555	2 503
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	156	4 086	8 478	3 582	1 658	4 315	2 247
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	15	662	1 536	574	324	629	378
1623	Water, sewer, and utility lines	146	2 712	5 314	2 557	1 225	2 778	1 354
1629	Heavy construction, n.e.c.	260	17 928	30 582	18 188	7 509	17 948	7 744
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	1 060	8 279	14 932	8 104	3 555	8 142	3 707
1721	Painting and paper hanging	488	2 427	3 720	2 215	819	2 595	1 018
1731	Electrical work	645	7 978	15 169	8 864	4 116	7 532	3 540
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	424	2 966	4 265	2 910	1 142	2 917	966
1742	Plastering, drywall, and insulation work	216	1 918	3 207	1 987	823	1 889	776
1743	Terrazzo, tile, marble, and mosaic work	77	485	954	481	210	471	242
175	Carpentry and floor work:							
1751	Carpentry	461	1 662	2 726	1 612	671	1 727	709
1752	Floor laying and other floor work	106	294	439	258	96	312	112
1761	Roofing, siding, and sheet metal work	305	2 203	3 794	2 313	1 021	2 332	1 036
1771	Concrete work	219	1 907	2 624	1 594	558	2 273	736
1781	Water well drilling	50	238	559	226	113	247	144
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	63	547	602	596	162	504	125
1793	Glass and glazing work	54	382	683	365	159	380	175
1794	Excavation work	112	774	1 511	713	326	754	382
1795	Wrecking and demolition work	*13	*50	*90	*59	*25	*52	*23
1796	Installing building equipment, n.e.c.	45	569	1 049	501	231	542	249
1799	Special trade contractors, n.e.c.	362	1 965	3 431	1 858	766	1 977	887
6552	**Land subdividers and developers, n.e.c.**	107	74	135	74	29	73	34

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
79 737	35 **187**	**76 205**	33 **385**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	
														15, 16, 17
														15
														152
5 383	2 013	4 886	1 897	5	7	5	7	5	7	5	7	5	8	1521
1 074	443	1 000	446	9	9	7	10	12	11	11	8	10	11	1522
896	283	841	262	12	17	11	17	12	18	13	18	14	18	1531
														154
5 246	2 357	4 930	2 230	2	3	2	3	2	3	2	3	2	3	1541
5 752	2 493	5 495	2 483	3	4	3	4	3	4	3	4	3	4	1542
														16
4 331	2 520	4 115	2 051	3	4	3	4	3	4	3	4	3	4	1611
														162
738	441	707	391	4	6	5	6	4	6	4	6	5	5	1622
2 865	1 450	2 649	1 284	5	6	6	9	6	8	5	7	4	6	1623
17 360	7 563	18 218	7 764	1	1	1	1	1	1	1	1	1	1	1629
														17
8 657	3 963	8 212	3 705	2	3	2	3	2	3	3	4	3	3	1711
2 590	1 017	2 310	865	8	12	9	12	8	12	8	13	9	13	1721
8 038	3 806	7 479	3 705	2	2	2	2	2	2	2	3	2	3	1731
														174
														1741
3 128	1 115	2 912	1 040	6	8	7	12	7	10	7	9	10	14	
1 948	816	1 849	790	7	9	9	10	7	9	7	9	7	9	1742
539	269	448	230	14	13	17	13	14	13	13	12	13	14	1743
														175
1 709	696	1 599	648	9	11	9	11	9	11	9	11	11	14	1751
344	114	262	115	25	29	21	30	27	30	30	29	22	29	1752
2 132	910	2 034	826	6	9	7	11	7	11	6	7	5	6	1761
2 065	721	1 697	607	13	12	11	13	20	13	12	13	11	13	1771
231	153	247	147	20	34	16	29	20	33	20	35	25	38	1781
														179
566	147	523	166	19	20	16	18	20	21	22	22	21	21	1791
399	176	386	171	9	9	9	8	10	10	10	9	10	11	1793
864	422	764	379	12	15	12	16	12	15	12	15	11	15	1794
*51	*23	38	*17	45	56	51	63	43	54	44	55	39	49	1795
618	296	617	271	9	9	8	9	8	10	10	10	10	8	1796
2 117	928	1 908	849	10	13	10	13	10	13	10	13	11	14	1799
83	**38**	**69**	33	**(W)**	**5**	**(W)**	5	**(W)**	**4**	**(W)**	5	**(W)**	**4**	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**12.3**	**19.0**	**1 740.0**	**101.3**	**.230**	**.356**	**.263**	**.015**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	4.4	13.0	1 521.6	122.5	.139	.391	.291	.008
1522	Other residential buildings	19.7	18.4	1 723.8	189.7	.120	.299	.523	.010
1531	Operative builders	7.7	(D)	1 320.8	385.0	(D)	.341	.534	.005
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	54.2	27.6	1 774.1	257.5	.134	.271	.399	.011
1542	Nonresidential buildings, n.e.c.	18.2	19.0	1 767.1	159.7	.153	.258	.477	.009
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	30.7	16.6	2 074.9	117.7	.165	.352	.263	.021
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	55.0	24.3	2 320.2	155.0	.195	.457	.234	.029
1623	Water, sewer, and utility lines	21.7	16.8	1 959.4	68.0	.290	.289	.116	.032
1629	Heavy construction, n.e.c.	81.3	26.0	1 705.8	89.0	.344	(D)	.213	.020
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	9.9	17.4	1 803.6	80.8	.274	.455	.079	.011
1721	Painting and paper hanging	5.7	11.6	1 532.8	39.6	.338	.255	.110	.014
1731	Electrical work	14.8	18.5	1 901.4	57.1	.388	.357	.034	.018
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	7.6	11.0	1 438.0	31.7	.379	.283	.078	.013
1742	Plastering, drywall, and insulation work	10.8	13.8	1 672.1	69.1	.242	.418	.046	.013
1743	Terrazzo, tile, marble, and mosaic work	7.8	16.3	1 967.0	59.8	.339	(D)	.021	.007
175	Carpentry and floor work:								
1751	Carpentry	4.1	12.1	1 640.2	49.6	.276	.313	.105	.008
1752	Floor laying and other floor work	3.8	12.5	1 493.2	73.2	.234	.423	.060	.014
1761	Roofing, siding, and sheet metal work	8.5	13.9	1 722.2	57.4	.285	.430	.054	.015
1771	Concrete work	10.1	11.6	1 376.0	50.3	.266	.361	.075	.015
1781	Water well drilling	5.9	18.6	2 348.7	81.2	.283	(D)	.008	.012
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	10.3	15.8	1 100.5	63.8	.293	.269	.076	.027
1793	Glass and glazing work	10.8	17.7	1 788.0	97.5	.279	.630	.010	.017
1794	Excavation work	8.3	16.8	1 952.2	83.7	.241	.188	.083	.054
1795	Wrecking and demolition work	*4.2	(D)	*1 800.0	*35.1	(D)	(D)	.024	.037
1796	Installing building equipment, n.e.c.	15.0	21.0	1 843.6	65.6	.380	.267	.046	.019
1799	Special trade contractors, n.e.c.	6.7	13.6	1 746.1	62.9	.269	.384	.068	.023
6552	**Land subdividers and developers, n.e.c.**	3.3	**21.2**	**1 824.3**	**804.3**	**.126**	**.141**	**.486**	**.008**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	CHARLOTTE-GASTONIA-ROCK HILL, NC-SC MSA											
	Construction industries and land subdividers and developers	3 275	38 524	755 935	3 749 413	2 528 295	1 417 695	1 175 301	1 221 118	76 067	1	1
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	517	2 706	43 963	242 019	177 934	84 340	95 266	64 085	1 901	8	7
1522	Other residential buildings	41	549	8 988	94 746	39 034	22 389	20 447	55 712	*640	17	17
1531	Operative builders	138	969	25 723	267 037	174 579	81 200	94 683	92 457	3 371	10	10
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	41	5 009	(D)	(D)	327 577	122 785	205 735	(D)	10 968	1	1
1542	Nonresidential buildings, n.e.c.	130	3 206	65 966	657 348	316 203	200 196	126 466	341 145	6 407	5	3
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	50	1 566	31 915	178 495	151 698	81 916	81 261	26 797	11 097	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	11	1 101	24 011	(D)	(D)	28 062	(D)	(D)	(D)	4	(D)
1623	Water, sewer, and utility lines	53	1 608	33 512	118 019	105 371	69 691	37 670	12 648	3 867	5	5
1629	Heavy construction, n.e.c.	89	828	13 878	60 305	48 203	29 331	19 397	12 102	1 518	15	12
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	464	4 952	100 978	328 003	300 721	171 544	136 802	27 283	5 578	3	3
1721	Painting and paper hanging	212	1 227	18 130	46 329	43 546	31 433	12 260	2 783	1 427	13	10
1731	Electrical work	306	3 628	72 839	187 974	179 580	114 929	65 134	8 394	5 406	3	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	185	1 806	27 276	71 365	69 324	49 393	19 950	2 041	1 663	6	10
1742	Plastering, drywall, and insulation work	103	2 278	41 413	130 668	122 973	72 837	54 472	7 695	1 164	3	4
1743	Terrazzo, tile, marble, and mosaic work	23	271	5 137	16 369	14 946	8 167	(D)	1 423	99	9	16
175	Carpentry and floor work:											
1751	Carpentry	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1752	Floor laying and other floorwork	47	202	2 402	11 224	10 502	6 366	(D)	722	(S)	27	16
1761	Roofing, siding, and sheet metal work	129	1 556	25 135	88 225	83 563	48 938	36 186	4 663	1 678	7	6
1771	Concrete work	114	1 156	18 868	63 364	59 714	33 481	26 339	3 650	1 750	7	8
1781	Water well drilling	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	42	410	6 947	21 470	20 958	14 598	6 384	*512	524	20	18
1793	Glass and glazing work	20	423	9 280	28 773	28 161	14 375	(D)	612	545	2	1
1794	Excavation work	61	321	5 567	23 438	20 417	15 617	4 870	3 022	*2 181	14	14
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	21	350	8 905	24 977	23 633	16 882	8 784	1 344	*190	7	5
1799	Special trade contractors, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
6552	**Land subdividers and developers, n.e.c.**	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	GREENVILLE-SPARTANBURG, SC MSA											
	Construction industries and land subdividers and developers	1 533	40 725	949 627	3 754 902	2 716 087	2 054 979	(D)	1 038 815	32 346	1	1
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1522	Other residential buildings	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1531	Operative builders	61	244	5 607	60 957	29 464	*5 505	25 344	31 493	*731	19	20
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	43	4 596	141 846	1 118 757	671 389	386 951	291 081	447 368	426	2	(W)
1542	Nonresidential buildings, n.e.c.	59	1 321	25 876	171 046	82 288	43 147	40 941	88 758	1 364	6	8

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	GREENVILLE-SPARTANBURG, SC MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Conatruction industries**—Con.											
16	**Heavy construction other than building conatruction—contractors:**											
1611	Highway and street construction	38	1 268	18 526	114 798	68 882	36 104	(D)	45 916	2 249	6	8
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	–	–	–	–	–	–	–	–	–	–	–
1623	Water, sewer, and utility lines	23	257	3 879	23 458	20 235	12 984	7 318	*3 224	1 662	11	12
1629	Heavy construction, n.e.c.	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)	8 325	(D)	(D)
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	228	3 958	75 247	260 534	240 697	137 187	106 965	19 836	3 885	3	3
1721	Painting and paper hanging	104	750	7 999	25 399	21 295	15 563	6 204	4 104	810	13	10
1731	Electrical work	145	3 592	78 275	180 247	176 856	115 495	(D)	3 390	3 631	2	2
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	84	942	13 094	35 310	(D)	21 691	10 553	(D)	*568	10	(D)
1742	Plastering, drywall, and insulation work	40	467	6 521	24 232	21 617	11 410	(D)	(S)	*1 400	28	28
1743	Terrazzo, tile, marble, and mosaic work	17	151	2 697	6 596	6 476	4 111	(D)	120	(D)	11	8
175	Carpentry and floor work:											
1751	Carpentry	73	377	4 448	18 475	15 681	10 151	5 597	*2 794	(S)	22	22
1752	Floor laying and other floorwork	24	52	977	3 741	3 182	1 385	1 950	*559	97	18	23
1761	Roofing, siding, and sheet metal work	65	958	14 620	45 919	44 271	24 796	20 300	1 648	601	7	3
1771	Concrete work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1781	Water well drilling	5	48	1 162	4 479	(D)	2 812	1 792	(D)	(D)	(W)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	15	*101	*2 106	*5 553	*5 119	*3 895	*1 532	434	(S)	44	44
1793	Glass and glazing work	*15	158	2 676	11 177	11 087	5 517	7 511	90	(D)	17	8
1794	Excavation work	38	379	6 584	27 706	25 124	19 179	6 710	2 582	*1 508	21	12
1795	Wrecking and demolition work	–	–	–	–	–	–	–	–	–	–	–
1796	Installing building equipment, n.e.c.	19	217	3 522	9 324	8 938	6 182	2 769	*386	(D)	30	5
1799	Special trade contractors, n.e.c.	68	476	6 216	27 338	24 599	16 296	10 545	2 739	*1 907	23	22
6552	**Land subdividers and developers, n.e.c.**	**25**	**52**	**1 628**	**(D)**	**8 058**	**6 114**	**(D)**	**(D)**	**(D)**	**38**	**5**

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Virginia. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 52,115 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $18.3 billion in total value of business done.

Most of the 52,115 construction establishments were small. Of the total, 35,489 were nonemployers, and over half of the employer establishments had less than 5 employees. The 7,472 construction establishments with 5 employees or more, while representing only 14 percent of all establishments, accounted for more than 78 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $16.1 billion on total dollar value of business done. Of this amount, $15.2 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $4.0 billion, leaving net value of construction work of $11.2 billion. In addition, these establishments paid out $5.3 billion for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $6.6 billion. (See Introduction and appendixes for explanation of terms.)

There were 16,626 establishments with total employment averaging 171,298 during the year. Total payroll for 1987 was $3.3 billion. Total hours worked by construction workers during the year were 235 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 35,489 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $2.2 billion. Most of these establishments, about 75 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

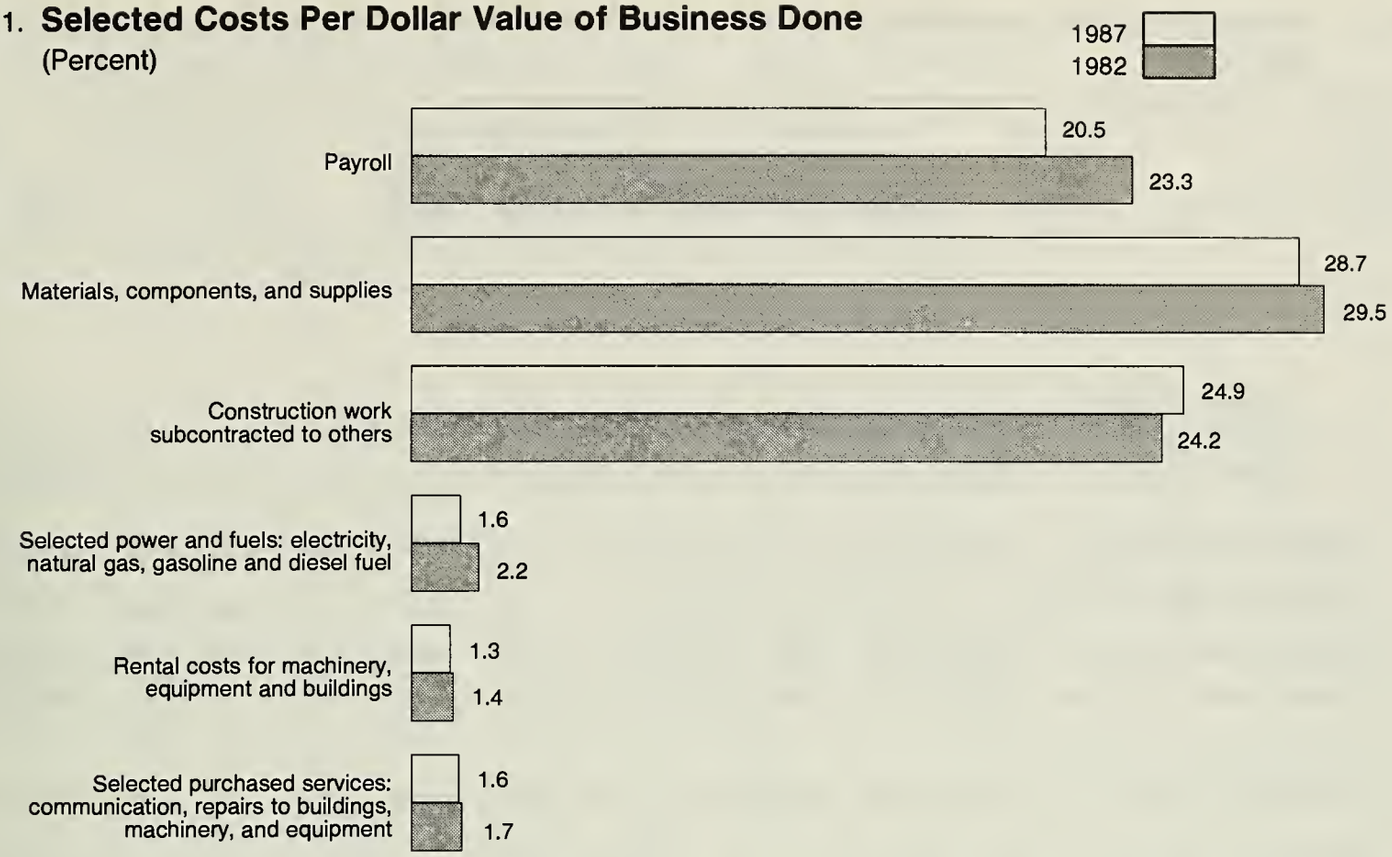


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

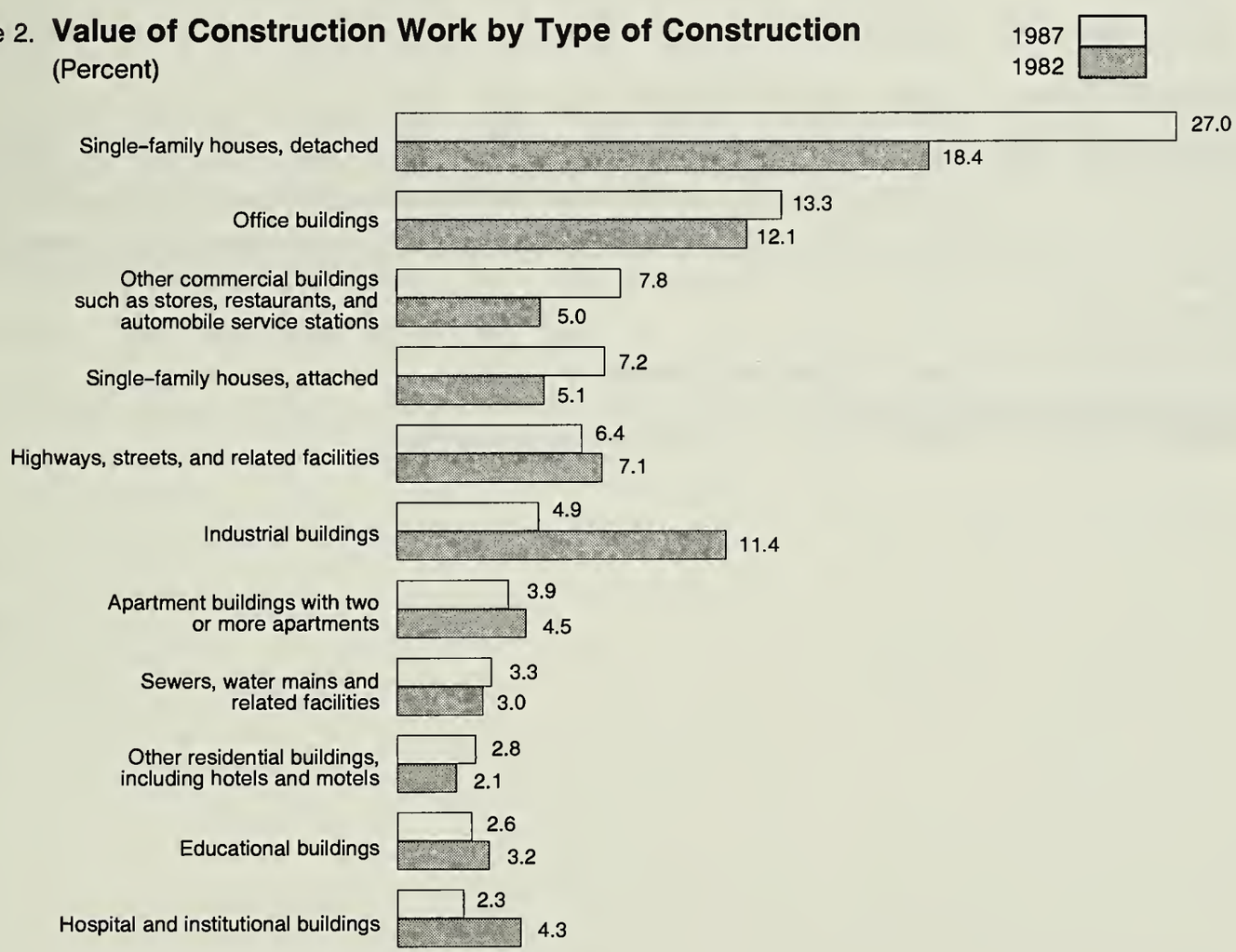


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction industries and land subdividers and developers	**52 115**	**39 214**	**171 298**	**18 295 113**	**35 489**	**34 788**	**2 243 446**	**16 626**	**4 426**	**171 298**	**16 051 667**	**1**	**1**
15, 16, 17	**Construction industries**	**50 662**	**37 898**	**170 110**	**17 325 954**	**34 245**	**33 510**	**1 493 214**	**16 417**	**4 388**	**170 110**	**15 832 740**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**12 547**	**7 802**	**44 859**	**8 320 157**	**7 393**	**6 711**	**687 081**	**5 154**	**1 091**	**44 859**	**7 633 076**	**1**	**1**
16	**Heavy construction other than building construction— contractors**	**1 421**	**493**	**27 468**	**2 346 818**	**401**	**387**	**32 841**	**1 020**	**106**	**27 468**	**2 313 977**	**2**	**2**
17	**Special trade contractors**	**36 694**	**29 603**	**97 783**	**6 658 979**	**26 451**	**26 412**	**773 292**	**10 243**	**3 191**	**97 783**	**5 885 687**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	4 188	2 720	21 062	1 489 037	2 234	2 208	83 600	1 954	512	21 062	1 405 437	2	1
1731	Electrical work	3 172	2 180	14 928	981 807	1 900	1 880	51 024	1 272	300	14 928	930 783	2	2
6552	**Land subdividers and developers, n.e.c.[2]**	**1 443**	**1 308**	**1 175**	**969 151**	**1 244**	**1 278**	**750 233**	**199**	**30**	**1 175**	**218 918**	**13**	**14**
	1982													
	Construction industries and land subdividers and developers	**34 128**	**26 470**	**105 935**	**7 576 596**	**22 394**	**22 296**	**854 887**	**11 734**	**4 174**	**105 935**	**6 721 709**	**1**	**1**
15, 16, 17	**Construction industries**	**33 315**	**25 807**	**105 135**	**7 343 025**	**21 754**	**21 644**	**690 302**	**11 561**	**4 163**	**105 135**	**6 652 723**	**1**	**1**
15	**Building construction—General contractors and operative builders**	**7 374**	**4 836**	**26 876**	**2 963 569**	**3 943**	**3 779**	**313 433**	**3 431**	**1 057**	**26 876**	**2 650 136**	**2**	**1**
16	**Heavy construction other than building construction— contractors**	**1 328**	**766**	**15 317**	**1 070 094**	**688**	**679**	**19 667**	**640**	**87**	**15 317**	**1 050 427**	**2**	**1**
17	**Special trade contractors**	**24 613**	**20 205**	**62 942**	**3 309 362**	**17 123**	**17 186**	**357 202**	**7 490**	**3 019**	**62 942**	**2 952 160**	**1**	**1**
1711	Plumbing, heating, and air-conditioning	3 104	2 100	14 097	844 632	1 572	1 573	45 837	1 532	527	14 097	798 795	2	1
1731	Electrical work	2 206	1 538	9 746	530 030	1 312	1 302	36 085	894	236	9 746	493 945	2	2
6552	**Land subdividers and developers, n.e.c.[2]**	**806**	**660**	**(S)**	**(S)**	**640**	**652**	**164 585**	**166**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**52 115**	**39 214**	**171 298**	**18 295 113**	**35 489**	**34 788**	**2 243 446**	**16 626**	**4 426**	**171 298**	**16 051 667**	**1**	**1**
$10,000,000 or more	247	25	34 580	5 935 861	8	6	135 214	239	19	34 580	5 800 647	(W)	1
$5,000,000 to $9,999,999	331	31	20 591	2 235 535	17	24	123 630	314	*7	20 591	2 111 905	1	3
$2,500,000 to $4,999,999	766	137	25 295	2 663 147	71	87	241 324	695	50	25 295	2 421 823	2	4
$1,000,000 to $2,499,999	1 833	310	29 485	2 834 669	176	176	260 288	1 657	134	29 485	2 574 381	2	3
$500,000 to $999,999	2 180	562	18 524	1 515 963	343	297	232 712	1 837	265	18 524	1 283 251	3	4
$250,000 to $499,999	3 376	1 346	17 246	1 179 662	748	625	254 382	2 628	721	17 246	925 280	4	4
$100,000 to $249,999	(S)	(S)	(S)	(S)	2 400	2 231	367 466	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	3 596	3 521	250 886	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	5 214	5 166	184 994	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	22 916	22 655	192 552	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	8 098	7 992	132 256	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	5 312	5 257	38 780	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	3 944	3 905	14 407	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	5 562	5 501	7 110	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	**34 128**	**26 470**	**105 935**	**7 576 596**	**22 394**	**22 296**	**854 887**	**11 734**	**4 174**	**105 935**	**6 721 709**	**1**	**1**
$10,000,000 or more	91	6	15 629	(D)	1	2	(D)	90	4	15 629	1 861 424	(W)	(W)
$5,000,000 to $9,999,999	137	6	9 912	2 846 126	5	4	71 742	132	2	9 912	912 960	(W)	(W)
$2,500,000 to $4,999,999	297	34	13 320	1 049 179	19	26	69 788	278	*8	13 320	979 391	(W)	1
$1,000,000 to $2,499,999	789	97	18 341	1 219 118	62	72	97 549	727	25	18 341	1 121 569	1	3
$500,000 to $999,999	992	181	12 370	698 138	92	91	62 273	900	90	12 370	635 865	4	4
$250,000 to $499,999	1 689	490	11 785	595 322	230	215	78 625	1 459	275	11 785	516 697	5	4
$100,000 to $249,999	3 735	2 006	13 531	587 941	882	857	132 232	2 853	1 149	13 531	455 709	4	4
$50,000 to $99,999	3 936	2 786	6 299	279 461	1 652	1 640	114 063	2 284	1 146	6 299	165 398	5	4
$25,000 to $49,999	4 317	3 646	2 806	153 034	2 865	2 901	99 881	1 452	745	2 806	53 153	6	5
Less than $25,000	18 142	17 215	1 940	148 275	16 586	16 488	128 734	1 556	727	1 940	19 541	5	5
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	5 503	5 495	85 400	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	4 226	4 196	28 602	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	4 166	4 140	12 041	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	2 691	2 657	2 691	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
			Employees**		Payroll				
		Number of establishments	All	Construction workers	All employees	Construction workers	Construction worker hours (thousands)	Value of construction work	Net value of construction work†
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**16 626**	**171 298**	**136 253**	**3 287 807**	**2 263 697**	**234 578**	**15 218 417**	**11 223 932**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	2 999	14 995	11 632	212 393	142 095	17 394	1 265 562	920 637
1522	Other residential buildings	187	2 421	1 582	43 516	25 233	2 692	340 988	166 971
1531	Operative builders	1 042	10 224	5 110	272 911	90 441	8 878	2 776 228	1 609 709
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	120	2 753	2 183	53 650	35 922	3 747	392 775	166 645
1542	Nonresidential buildings, n.e.c.	806	14 466	11 156	318 853	205 718	20 362	2 245 655	972 516
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	336	9 218	7 733	193 863	142 272	15 880	909 538	774 044
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	30	2 440	2 037	55 106	41 705	4 122	278 343	202 361
1623	Water, sewer, and utility lines	245	9 849	8 529	192 408	145 735	16 281	677 443	599 877
1629	Heavy construction, n.e.c.	409	5 961	4 872	118 847	89 234	7 902	405 087	333 382
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	1 954	21 062	16 277	418 873	287 245	29 168	1 385 283	1 279 369
1721	Painting and paper hanging	1 075	6 218	5 271	94 143	72 739	8 270	248 746	230 075
1731	Electrical work	1 272	14 928	12 052	311 846	231 399	22 257	923 952	899 913
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	1 022	8 902	8 120	137 473	115 343	11 753	369 628	353 914
1742	Plastering, drywall, and insulation work	506	8 202	7 041	159 072	122 785	11 681	513 328	472 361
1743	Terrazzo, tile, marble, and mosaic work	153	1 495	1 234	24 807	19 446	1 915	73 017	70 434
175	Carpentry and floor work:								
1751	Carpentry	1 197	5 962	5 167	90 811	71 678	8 084	289 388	258 072
1752	Floor laying and other floor work	333	2 074	1 613	38 114	27 122	2 567	153 528	143 018
1761	Roofing, siding, and sheet metal work	685	7 039	5 836	115 667	83 956	9 483	377 384	357 009
1771	Concrete work	626	7 870	6 823	136 824	102 840	11 129	492 301	457 561
1781	Water well drilling	105	753	606	12 428	9 511	1 054	50 279	48 822
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	109	1 896	1 607	42 027	33 344	2 792	150 433	139 983
1793	Glass and glazing work	75	1 061	776	25 967	16 191	1 374	94 576	92 251
1794	Excavation work	427	3 545	3 052	67 752	53 775	5 289	276 291	253 191
1795	Wrecking and demolition work	20	425	353	7 845	5 558	671	25 551	24 179
1796	Installing building equipment, n.e.c.	60	1 202	961	35 524	26 538	1 804	105 333	100 002
1799	Special trade contractors, n.e.c.	624	5 149	4 208	82 031	59 630	7 383	257 699	235 932
6552	**Land subdividers and developers, n.e.c.**	**199**	**1 175**	**410**	**25 046**	**6 228**	**632**	**140 073**	**61 693**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††	B	H	M	
I	J	K	L	M	N	O	P	Q				
6 624 200	4 860 802	3 994 485	203 361	340 238	2 209 228	105 935	6 445 787	2 852 040	1	1	3	
												15, 18, 17
												15
												152
499 634	452 604	344 924	9 100	14 957	108 244	9 527	485 030	190 559	3	4	10	1521
88 372	85 147	174 016	2 278	4 044	15 569	1 953	208 630	56 253	7	9	24	1522
851 474	(D)	1 166 518	12 688	28 533	252 711	3 806	552 744	158 010	3	3	9	1531
												154
98 034	78 248	226 130	3 129	3 594	37 285	4 299	402 766	80 340	5	7	10	1541
565 368	427 155	1 273 139	20 727	17 590	126 531	7 291	886 046	234 491	2	2	6	1542
												16
459 291	346 368	135 493	22 879	64 022	408 965	5 066	355 852	174 429	2	2	7	1611
												162
84 944	(D)	75 982	3 926	12 758	80 508	688	70 475	28 751	(W)	(W)	3	1622
412 314	193 723	77 565	14 727	47 440	233 880	5 599	257 999	152 429	2	2	6	1623
221 412	115 877	71 704	17 016	20 394	149 536	3 964	334 734	131 946	8	8	28	1629
												17
715 838	583 685	105 913	15 517	27 030	169 620	14 097	749 339	378 436	2	1	6	1711
174 181	58 760	18 670	3 250	4 688	26 223	3 974	104 877	76 090	4	6	20	1721
534 661	372 083	24 038	13 346	17 759	94 900	9 746	483 407	281 132	2	2	7	1731
												174
240 392	115 856	15 714	4 450	6 681	39 510	5 305	136 672	82 926	3	5	11	1741
298 943	187 171	40 967	5 912	7 580	37 535	4 899	198 513	117 708	2	3	8	1742
39 531	31 737	2 583	538	423	5 407	643	24 940	12 516	5	6	6	1743
												175
151 165	109 404	31 315	3 790	6 083	28 204	3 531	141 343	79 973	5	5	14	1751
75 861	70 136	10 510	1 288	3 396	16 495	1 066	43 985	22 201	6	6	19	1752
210 561	153 820	20 375	5 225	8 591	50 744	4 620	192 016	100 632	4	4	12	1761
269 927	192 888	34 739	12 399	13 207	85 871	4 722	238 689	131 819	4	4	10	1771
26 400	23 588	1 457	728	1 799	21 569	438	22 744	12 830	10	9	28	1781
												179
89 538	*54 437	10 450	4 248	2 320	21 364	1 098	74 049	50 948	7	17	9	1791
42 846	53 184	2 325	1 814	582	4 654	663	36 967	16 760	4	3	12	1793
184 398	72 062	23 099	13 441	15 546	118 309	4 025	198 631	124 409	6	6	14	1794
24 155	1 584	1 371	3 152	1 233	8 663	263	13 156	9 373	8	12	14	1795
73 130	29 054	5 331	1 483	934	5 577	988	69 041	48 027	4	4	11	1796
154 486	99 590	21 766	5 465	6 717	47 146	2 864	123 435	78 466	9	6	18	1799
37 333	29 630	78 379	834	2 329	14 196	(S)	(S)	(S)	13	15	11	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	16 626	11 734	13 148	11 410	1	1	2	3
Proprietors and working partners	4 426	4 174	7 837	7 688	3	3	4	4
All employees**	171 298	105 935	117 462	114 018	1	1	1	2
Construction workers:								
March	128 069	80 350	88 733	87 318	1	1	1	2
May	137 471	87 638	102 680	97 303	1	1	1	2
August	145 375	91 069	110 649	106 566	1	1	1	2
November	134 098	85 348	98 575	97 875	1	1	1	2
Average	136 253	87 157	100 232	98 529	1	1	1	2
Other employees:								
March	34 372	18 572	16 656	14 967	1	1	1	2
May	34 667	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
August	35 509	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
November	35 629	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Average	35 044	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	52 309	32 366	(NA)	(NA)	1	1	(NA)	(NA)
April to June	59 461	37 573	(NA)	(NA)	1	1	(NA)	(NA)
July to September	63 676	39 457	(NA)	(NA)	1	1	(NA)	(NA)
October to December	59 130	36 735	(NA)	(NA)	1	1	(NA)	(NA)
Total hours worked	234 578	146 133	(NA)	(NA)	1	1	(NA)	(NA)
Payroll, all employees	3 287 807	1 566 101	1 177 913	859 739	1	1	1	1
Payroll, construction workers	2 263 697	1 171 706	915 003	682 241	1	1	1	1
Payroll, other employees	1 024 110	394 395	262 910	177 498	1	1	1	2
First quarter payroll, all employees	728 722	350 140	239 222	(NA)	1	1	1	(NA)
Employer costs for fringe benefits, all employees	574 532	285 260	168 738	(NA)	1	1	1	(NA)
Legally required expenditures	412 512	209 485	114 575	(NA)	1	1	1	(NA)
Voluntary expenditures	162 019	75 774	54 163	(NA)	1	1	1	(NA)
Dollar value of business done	16 051 667	6 721 709	5 110 287	3 505 010	1	1	1	2
Value of construction work[1]	15 218 417	6 445 787	4 870 706	3 313 643	1	1	1	1
Value of construction work subcontracted in from others	3 937 361	1 693 082	1 296 053	776 991	2	1	1	2
Land receipts[2]	572 179	113 116	(NA)	(NA)	3	3	(NA)	(NA)
Other business receipts	261 071	162 806	239 582	191 367	3	2	3	11
Net value of construction†	11 223 932	4 820 910	3 695 200	2 491 486	1	1	1	1
Value added††	6 624 200	2 852 040	2 131 151	1 446 626	1	1	1	2
Selected costs	8 855 287	3 756 552	2 854 222	1 934 438	1	1	1	2
Materials, components, and supplies[3]	4 603 748	1 983 456	1 575 870	1 112 281	1	1	1	2
Construction work subcontracted to others	3 994 485	1 624 876	1 175 505	822 157	1	1	1	2
Selected power, fuels, and lubricants	257 054	148 219	102 847	(NA)	1	1	1	(NA)
Electricity	34 869	18 531	14 572	(NA)	3	2	4	(NA)
Natural gas	8 790	4 209	5 186	(NA)	4	8	3	(NA)
Gasoline and diesel fuel	197 532	115 389	70 984	(NA)	1	1	1	(NA)
On highway use	138 676	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Off highway use	58 856	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	15 861	10 089	12 109	(NA)	2	2	4	(NA)
Rental cost for machinery, equipment, and buildings	203 361	95 475	63 080	(NA)	2	2	1	(NA)
For machinery and equipment	139 597	72 652	50 625	46 537	2	2	1	2
For buildings	63 763	22 822	12 454	(NA)	2	2	4	(NA)
Selected purchased services	250 240	116 256	101 028	(NA)	2	1	1	(NA)
Communication services	57 278	28 768	21 680	(NA)	2	2	4	(NA)
Repairs to buildings and other structures	14 867	5 022	3 968	(NA)	16	4	5	(NA)
Repairs to machinery and equipment	178 094	82 465	75 381	(NA)	2	1	1	(NA)
Ownership of construction projects:								
Value of construction work	15 218 417	6 445 787	4 870 706	3 313 643	1	1	1	1
Government owned	2 570 037	1 469 019	1 113 441	916 158	2	2	1	2
Federal	849 368	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
State and local	1 720 668	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Privately owned	12 648 380	4 976 768	3 757 264	2 397 485	1	1	1	2

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	1 992 370	1 264 405	2	2
Capital expenditures, other than land	340 238	116 591	3	2
New	280 005	82 073	3	2
Used	60 232	34 518	7	4
Retirements and disposition of depreciable assets	123 380	55 017	5	3
End-of-year gross book value of depreciable assets	2 209 228	1 325 980	2	2
Depreciation charges during year	275 572	160 037	3	1
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	430 320	238 306	4	4
Capital expenditures, other than land	51 920	16 338	4	5
New buildings and other structures	40 374	13 183	4	5
Used buildings and other structures	11 545	3 155	13	14
Retirements and disposition of depreciable assets	29 284	9 765	13	9
End-of-year gross book value of depreciable assets	452 955	244 814	4	4
Depreciation charges during year	40 864	20 577	4	3
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	1 562 050	1 026 099	3	1
Capital expenditures, other than land	288 318	100 253	3	2
New machinery and equipment, including automobiles and trucks	239 631	68 890	3	2
New automobiles and trucks, intended primarily for highway use	101 229	31 462	3	3
Used machinery and equipment, including automobiles and trucks	48 687	31 363	8	5
Retirements and disposition of depreciable assets	94 096	45 251	5	3
End-of-year gross book value of depreciable assets	1 756 272	1 081 101	3	1
Depreciation charges during year	234 707	139 460	3	1

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	16 626	1
Value of construction work	15 218 417	1
Establishments with inventories:		
Number	5 693	3
Value of construction work	7 894 783	2
Inventories[1]:		
End of 1987, materials and supplies	188 538	4
End of 1986, materials and supplies	184 842	4
Establishments with no inventories:		
Number	7 918	2
Value of construction work	5 001 582	2
Establishments not reporting:		
Number	3 015	4
Value of construction work	2 322 052	2

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	16 626	9 152	3 536	2 116	1 258	348	180	25	7	2
All employees**	171 298	18 739	22 436	27 960	37 865	23 575	25 650	7 862	7 208	(D)
Payroll, all employees	3 287 807	251 286	334 988	488 589	773 806	524 745	587 388	169 610	157 393	(D)
Construction worker hours (thousands)	234 578	22 243	27 979	36 023	53 018	35 972	38 967	9 956	10 417	(D)
Dollar value business done	16 051 667	1 789 070	1 673 930	2 182 415	3 603 760	2 416 771	3 128 354	804 702	452 663	(D)
Value of construction work[1]	15 218 417	1 686 452	1 578 004	2 073 806	3 425 695	2 310 739	2 957 627	1 186 092	(D)	(D)
Net value of construction work†	11 223 932	1 284 830	1 218 905	1 654 938	2 529 771	1 641 727	1 965 227	928 533	(D)	(D)
Value added††	6 624 200	720 463	699 158	960 254	1 512 055	987 939	1 197 953	317 778	228 598	(D)
Cost of materials, components, supplies, and fuels	4 860 802	583 117	545 003	733 672	1 090 332	702 963	806 146	217 075	182 493	(D)
Cost of construction work subcontracted to others	3 994 485	401 622	359 098	418 868	895 924	669 012	992 400	215 987	41 572	(D)
Rental cost for machinery, equipment, and buildings	203 361	13 356	21 040	27 725	46 826	40 077	35 984	11 254	7 097	(D)
Capital expenditures, other than land	340 238	28 785	32 012	51 395	93 919	46 059	60 043	28 024	(D)	(D)
End-of-year gross book value of depreciable assets	2 209 228	241 152	188 618	295 092	533 330	367 291	414 156	96 245	73 343	(D)
1982										
All employees**	105 935	14 259	16 028	16 602	23 248	14 271	13 909	4 640	2 977	(D)
Value of construction work[1]	6 445 787	625 455	697 290	917 539	1 559 511	1 132 202	947 817	338 265	227 707	(D)
Value added††	2 852 040	294 312	336 138	424 889	640 503	463 991	414 079	211 088	67 040	(D)
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	1	2	3	3	2	(W)	(W)	(W)	(W)	(D)
Net value of construction work†	1	4	4	3	2	(W)	(W)	(W)	(D)	(D)
Capital expenditures, other than land	3	9	12	9	7	1	(W)	(W)	(D)	(D)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	16 626	(S)	(S)	(S)	(S)	2 628	1 837	1 657	695	314	239
All employees**	171 298	(S)	(S)	(S)	(S)	17 246	18 524	29 485	25 295	20 591	34 580
Payroll, all employees	3 287 807	(S)	(S)	(S)	(S)	247 843	318 474	581 842	545 689	469 639	852 733
Construction worker hours (thousands)	234 578	(S)	(S)	(S)	(S)	23 656	23 593	41 235	37 557	29 060	50 132
Dollar value of business done	16 051 667	(S)	(S)	(S)	(S)	925 280	1 283 251	2 574 381	2 421 823	2 111 905	5 800 647
Value of construction work[1]	15 218 417	(S)	(S)	(S)	(S)	898 276	1 239 697	2 452 774	2 322 579	1 991 401	5 398 036
Net value of construction work†	11 223 932	(S)	(S)	(S)	(S)	767 363	1 033 329	2 008 418	1 799 770	1 467 927	3 314 982
Value added††	6 624 200	(S)	(S)	(S)	(S)	450 978	608 151	1 184 068	1 051 655	886 148	1 923 490
Cost of materials, components, supplies, and fuels	4 860 802	(S)	(S)	(S)	(S)	331 854	447 589	874 928	788 810	627 624	1 468 559
Cost of construction work subcontracted to others	3 994 485	(S)	(S)	(S)	(S)	130 913	206 368	444 355	522 808	523 474	2 083 053
Rental cost for machinery, equipment, and buildings	203 361	(S)	(S)	(S)	(S)	15 949	18 263	31 153	34 707	33 556	59 288
Capital expenditures, other than land	340 238	(S)	(S)	(S)	(S)	24 844	30 239	65 129	61 217	45 530	92 236
End-of-year gross book value of depreciable assets	2 209 228	(S)	(S)	(S)	(S)	159 019	207 817	378 356	388 503	311 030	615 271
1982											
All employees**	105 935	1 940	2 806	6 299	13 531	11 785	12 370	18 341	13 320	9 912	15 629
Value of construction work[1]	6 445 787	18 986	52 585	162 360	447 397	502 957	611 698	1 079 006	936 875	878 711	1 755 210
Value added††	2 852 040	10 465	29 968	90 071	233 480	247 747	297 002	511 003	432 080	340 155	660 065
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	1	(S)	(S)	(S)	(S)	4	3	2	2	1	(W)
Net value of construction work†	1	(S)	(S)	(S)	(S)	4	4	3	3	2	1
Capital expenditures, other than land	3	(S)	(S)	(S)	(S)	12	11	8	10	2	1

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**15 218 417**	**10 999 181**	**2 218 182**	**1 325 191**	**1**	**1**	**2**	**2**
Building construction	**11 628 814**	**8 871 981**	**1 845 133**	**842 838**	**1**	**1**	**2**	**2**
Single-family houses	5 208 077	4 406 373	524 458	277 245	2	2	4	4
Single-family houses, detached	4 110 586	3 381 269	493 915	235 400	2	2	4	4
Single-family houses, attached	1 097 491	1 025 103	30 542	41 845	3	4	6	7
Apartment buildings with two or more apartments	599 004	446 555	95 218	57 231	3	4	5	7
Other residential buildings, including hotels and motels	425 339	323 115	71 189	31 034	3	4	7	7
Hotels and motels	289 543	231 871	38 417	19 254	4	4	4	5
Other residential buildings, excluding hotels and motels	135 795	91 243	32 771	11 780	7	8	14	15
Office buildings	2 023 548	1 495 774	374 268	153 505	2	2	3	4
Other commercial buildings such as stores, restaurants, and automobile service stations	1 183 406	847 515	233 157	102 733	2	2	4	6
Industrial buildings and warehouses	1 031 046	697 833	202 128	131 083	2	2	4	5
Industrial buildings	745 849	463 906	172 046	109 896	2	2	4	5
Warehouses	285 197	233 927	30 082	21 187	4	5	5	5
Religious buildings	146 346	90 844	43 165	12 336	2	2	5	11
Educational buildings	392 674	243 939	123 743	24 991	2	2	4	11
Hospitals and institutional buildings	345 841	191 420	127 471	26 949	2	4	3	6
Amusement, social, and recreational buildings	80 942	57 550	17 798	5 592	4	5	7	16
Other nonresidential buildings	123 728	71 063	32 538	21 039	7	8	14	16
Land development for buildings	66 663	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
Nonbuilding construction	**2 982 603**	**2 127 200**	**373 049**	**482 353**	**2**	**2**	**3**	**2**
Highways, streets, and related facilities	966 945	621 591	151 918	193 436	2	2	2	4
Outdoor swimming pools	71 811	61 433	3 904	6 473	17	18	21	16
Parking areas including private driveways	106 008	74 211	14 665	17 131	7	7	8	17
Bridges, tunnels, and elevated highways	267 049	214 484	38 766	13 799	2	2	4	20
Tunnels	66 868	54 621	10 226	2 019	4	5	(W)	(W)
Bridges and elevated highways	200 181	159 862	28 539	11 779	2	1	6	23
Power and communication transmission lines, towers, and related facilities	204 476	125 223	28 710	50 542	3	3	13	2
Sewers, water mains, and related facilities	503 259	399 223	44 079	59 956	3	3	8	5
Sewers, sewer lines, and related facilities	339 808	262 438	31 894	45 474	2	3	5	2
Water mains and related facilities	163 450	136 784	12 185	14 481	5	4	16	20
Pipeline, other than sewer or water lines	66 108	56 215	4 714	5 178	4	5	3	4
Blast furnaces, petroleum refineries, and chemical complexes	52 931	40 539	2 598	9 793	6	4	22	19
Power plants	81 383	34 206	13 998	33 178	3	2	3	4
Sewage treatment and water treatment plants	83 015	60 433	17 949	4 632	6	4	20	16
Sewage treatment plants	67 822	52 015	13 018	2 789	4	4	11	17
Water treatment plants	15 192	8 418	*4 931	1 843	20	18	44	30
Earthmoving, nonbuilding	193 095	157 837	*15 771	19 486	21	19	41	27
Other nonbuilding construction	386 523	281 805	35 977	68 749	15	20	14	7
Construction work, n.s.k.	**609 200**	**(NA)**	**(NA)**	**(NA)**	**4**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**6 445 787**	**5 294 959**	**(NA)**	**1 150 828**	**1**	**1**	**(NA)**	**1**
Building construction	**4 594 124**	**3 885 131**	**(NA)**	**708 993**	**1**	**1**	**(NA)**	**1**
Single-family houses	1 517 782	1 296 057	(NA)	221 725	2	2	(NA)	3
Single-family houses, detached	1 185 624	990 783	(NA)	194 840	2	2	(NA)	4
Single-family houses, attached	332 158	305 273	(NA)	26 885	3	3	(NA)	5
Apartment buildings with two or more apartments	289 544	246 634	(NA)	42 910	3	3	(NA)	5
Other residential buildings, including hotels and motels	136 528	117 462	(NA)	19 065	2	2	(NA)	5
Office buildings	780 634	671 133	(NA)	109 501	1	1	(NA)	2
Other commercial buildings such as stores, restaurants, and automobile service stations	324 919	258 960	(NA)	65 958	3	4	(NA)	4
Industrial buildings and warehouses	872 585	718 475	(NA)	154 110	1	1	(NA)	3
Industrial buildings	736 187	600 988	(NA)	135 199	1	1	(NA)	3
Warehouses	136 397	117 486	(NA)	18 911	2	2	(NA)	4
Religious buildings	65 321	53 570	(NA)	11 750	5	6	(NA)	4
Educational buildings	210 047	180 097	(NA)	29 950	3	3	(NA)	3
Hospitals and institutional buildings	274 639	240 937	(NA)	33 701	1	1	(NA)	4
Farm buildings	39 056	32 025	(NA)	7 031	8	8	(NA)	12
Amusement, social, and recreational buildings	51 758	46 936	(NA)	4 822	3	3	(NA)	4
Other nonresidential buildings	31 311	22 845	(NA)	8 470	6	4	(NA)	17
Nonbuilding construction	**1 386 207**	**1 037 440**	**(NA)**	**348 767**	**1**	**1**	**(NA)**	**2**
Highways, streets, and related facilities	461 111	303 908	(NA)	157 202	2	2	(NA)	4
Bridges, tunnels, and elevated highways	76 343	70 670	(NA)	5 672	1	1	(NA)	11
Marine construction	46 322	18 663	(NA)	27 658	10	8	(NA)	10
Harbor and port facilities	50 350	36 853	(NA)	13 496	3	3	(NA)	10
Power and communication transmission lines, towers, and related facilities	132 647	103 200	(NA)	29 447	3	3	(NA)	5
Sewers, water mains, and related facilities	195 947	167 083	(NA)	28 863	2	2	(NA)	7
Sewers, sewer lines, and related facilities	104 077	90 304	(NA)	13 773	4	3	(NA)	15
Water mains and related facilities	91 870	76 779	(NA)	15 090	2	3	(NA)	6
Heavy industrial facilities	132 992	92 790	(NA)	40 201	1	1	(NA)	2
Blast furnaces, petroleum refineries, and chemical complexes	81 626	63 754	(NA)	17 871	2	1	(NA)	4
Power plants	51 365	29 035	(NA)	22 329	1	(W)	(NA)	1
Sewage treatment and water treatment plants	60 205	56 765	(NA)	3 440	2	2	(NA)	9
Sewage treatment plants	42 537	40 985	(NA)	1 552	2	2	(NA)	6
Water treatment plants	17 668	15 780	(NA)	1 888	3	2	(NA)	17
Other nonbuilding construction	230 290	187 508	(NA)	42 788	3	4	(NA)	6
Construction work, n.s.k.	**465 454**	**372 386**	**(NA)**	**93 067**	**3**	**3**	**(NA)**	**3**

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**16 626**	**136 253**	**234 578**	**128 069**	**52 309**	**137 471**	**59 461**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	2 999	11 632	17 394	11 131	3 916	12 026	4 444
1522	Other residential buildings	187	1 582	2 692	1 419	560	1 535	676
1531	Operative builders	1 042	5 110	8 878	4 972	2 068	5 196	2 285
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	120	2 183	3 747	2 039	832	2 153	899
1542	Nonresidential buildings, n.e.c.	806	11 156	20 362	10 904	4 941	10 789	4 957
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	336	7 733	15 880	5 878	2 639	8 228	4 253
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	30	2 037	4 122	1 755	840	2 088	1 055
1623	Water, sewer, and utility lines	245	8 529	16 281	7 812	3 530	8 449	4 169
1629	Heavy construction, n.e.c.	409	4 872	7 902	4 448	1 759	4 873	1 985
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	1 954	16 277	29 168	15 791	6 807	16 277	7 263
1721	Painting and paper hanging	1 075	5 271	8 270	4 577	1 761	5 349	2 167
1731	Electrical work	1 272	12 052	22 257	11 899	5 171	12 019	5 562
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	1 022	8 120	11 753	7 995	2 641	8 267	3 008
1742	Plastering, drywall, and insulation work	506	7 041	11 681	7 215	2 857	7 159	2 990
1743	Terrazzo, tile, marble, and mosaic work	153	1 234	1 915	1 169	431	1 240	472
175	Carpentry and floor work:							
1751	Carpentry	1 197	5 167	8 084	4 851	1 807	5 168	2 008
1752	Floor laying and other floor work	333	1 613	2 567	1 576	570	1 588	639
1761	Roofing, siding, and sheet metal work	685	5 836	9 483	5 415	2 140	5 881	2 431
1771	Concrete work	626	6 823	11 129	6 144	2 239	7 060	2 939
1781	Water well drilling	105	606	1 054	600	260	625	276
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	109	1 607	2 792	1 607	734	1 504	602
1793	Glass and glazing work	75	776	1 374	727	314	754	336
1794	Excavation work	427	3 052	5 289	2 790	1 148	3 131	1 341
1795	Wrecking and demolition work	20	353	671	361	151	342	154
1796	Installing building equipment, n.e.c.	60	961	1 804	808	427	1 060	451
1799	Special trade contractors, n.e.c.	624	4 208	7 383	3 785	1 607	4 300	1 929
6552	**Land subdividers and developers, n.e.c.**	**199**	**410**	**632**	**391**	**147**	**398**	**158**

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
145 375	**63 676**	**134 098**	**59 130**	**1**	**1**	**1**	1	1	1	1	1	**1**	1	
														15, 16, 17
														15
														152
12 462	4 716	10 907	4 316	4	4	4	5	4	5	4	5	4	5	1521
1 837	780	1 537	674	9	12	9	13	10	15	9	12	7	10	1522
5 463	2 327	4 807	2 197	4	5	4	5	4	5	4	5	4	5	1531
														154
2 249	1 016	2 291	999	5	6	6	6	5	6	6	7	5	6	1541
11 586	5 299	11 345	5 163	2	3	2	3	2	3	2	3	2	3	1542
														16
8 740	4 836	8 085	4 150	2	3	2	3	2	3	2	3	2	3	1611
														162
2 290	1 158	2 015	1 067	(W)	2	(W)	2	(W)	2	(W)	2	(W)	2	1622
9 084	4 408	8 771	4 173	2	3	2	3	2	3	2	3	2	3	1623
5 280	2 126	4 887	2 031	8	6	8	10	8	6	8	6	7	6	1629
														17
16 836	7 660	16 205	7 437	2	2	2	2	2	2	2	2	2	2	1711
5 921	2 324	5 239	2 018	4	5	5	6	5	7	4	5	4	5	1721
12 492	5 936	11 800	5 586	2	2	2	2	2	2	2	2	2	2	1731
														174
														1741
8 534	3 237	7 685	**2 866**	3	3	3	5	3	4	3	4	3	4	
7 078	2 955	6 714	2 878	2	3	2	3	2	3	3	4	2	3	1742
1 299	507	1 227	504	6	8	6	8	6	8	**6**	8	7	9	1743
														175
5 846	2 287	4 802	1 980	5	6	5	6	5	6	6	6	5	7	1751
1 710	**690**	1 578	**665**	6	8	6	8	7	8	7	8	6	9	1752
6 129	2 500	5 921	2 410	4	5	4	5	4	5	4	5	4	5	1761
7 558	3 236	6 529	2 714	4	5	4	5	4	5	4	5	4	5	1771
615	268	**586**	249	11	16	11	16	11	16	11	17	12	17	1781
														179
1 656	749	1 661	706	7	8	15	20	5	5	5	8	11	9	1791
783	347	838	376	4	5	4	5	4	5	4	5	4	5	1793
3 289	1 445	2 999	1 354	6	8	**6**	9	**6**	8	5	8	6	8	1794
388	199	323	166	6	19	6	19	5	16	7	19	7	22	1795
979	438	998	487	4	3	3	3	5	3	4	3	3	4	1796
4 835	2 064	3 912	1 782	9	9	10	10	9	10	9	10	9	10	1799
424	**157**	**426**	169	8	**14**	9	15	9	**15**	**8**	**12**	9	**14**	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**10.3**	**19.2**	**1 721.6**	**111.7**	**.216**	**.319**	**.262**	**.013**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	5.0	14.2	1 495.4	108.8	.168	.358	.273	.007
1522	Other residential buildings	12.9	18.0	1 701.6	215.5	.128	.250	.510	.007
1531	Operative builders	9.8	26.7	1 737.4	543.3	.098	(D)	.420	.005
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	22.9	19.5	1 716.4	179.9	.137	.199	.576	.008
1542	Nonresidential buildings, n.e.c.	17.9	22.0	1 825.2	201.3	.142	.190	.567	.009
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	27.4	21.0	2 053.5	117.6	.213	.381	.149	.025
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	81.3	22.6	2 023.6	136.6	.198	(D)	.273	.014
1623	Water, sewer, and utility lines	40.2	19.5	1 908.9	79.4	.284	.286	.114	.022
1629	Heavy construction, n.e.c.	14.6	19.9	1 621.9	83.1	.293	.286	.177	.042
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	10.8	19.9	1 792.0	85.1	.302	.421	.076	.011
1721	Painting and paper hanging	5.8	15.1	1 569.0	47.2	.378	.236	.075	.013
1731	Electrical work	11.7	20.9	1 846.7	76.7	.338	.403	.026	.014
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	8.7	15.4	1 447.4	45.5	.372	.313	.043	.012
1742	Plastering, drywall, and insulation work	16.2	19.4	1 659.0	72.9	.310	.365	.080	.012
1743	Terrazzo, tile, marble, and mosaic work	9.8	16.6	1 551.9	59.2	.340	.435	.035	.007
175	Carpentry and floor work:								
1751	Carpentry	5.0	15.2	1 564.5	56.0	.314	.378	.108	.013
1752	Floor laying and other floor work	6.2	18.4	1 591.4	95.2	.248	.457	.068	.008
1761	Roofing, siding, and sheet metal work	10.3	16.4	1 624.9	64.7	.306	.408	.054	.014
1771	Concrete work	12.6	17.4	1 631.1	72.2	.278	.392	.071	.025
1781	Water well drilling	7.2	16.5	1 739.3	83.0	.247	.469	.029	.014
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	17.4	22.2	1 737.4	93.6	.279	*.362	.069	.028
1793	Glass and glazing work	14.1	24.5	1 770.6	121.9	.275	.562	.025	.019
1794	Excavation work	8.3	19.1	1 733.0	90.5	.245	.261	.084	.049
1795	Wrecking and demolition work	21.3	18.5	1 900.8	72.4	.307	.062	.054	.123
1796	Installing building equipment, n.e.c.	20.0	29.6	1 877.2	109.6	.337	.276	.051	.014
1799	Special trade contractors, n.e.c.	8.3	15.9	1 754.5	61.2	.318	.386	.084	.021
6552	**Land subdividers and developers, n.e.c.**	**5.9**	**21.3**	**1 541.5**	**341.6**	**.179**	**.212**	**.560**	**.006**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	NORFOLK-VIRGINIA BEACH-NEWPORT NEWS, VA MSA											
	Construction industries and land subdividers and developers	**3 633**	**37 366**	**672 654**	**3 170 163**	**2 341 931**	**1 324 593**	**1 068 710**	**828 232**	85 711	**2**	**2**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	593	3 356	44 918	277 796	200 881	111 883	91 454	76 915	4 143	7	8
1522	Other residential buildings	53	500	9 327	61 073	32 379	18 656	14 159	28 694	659	20	18
1531	Operative builders	274	2 162	53 574	542 156	336 533	143 036	199 120	205 623	9 015	7	8
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	37	757	16 299	111 728	46 021	31 532	19 615	65 707	1 250	5	9
1542	Nonresidential buildings, n.e.c.	185	2 655	54 718	420 655	174 461	106 270	74 763	246 194	3 805	5	4
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	55	2 023	40 095	164 689	134 955	87 616	53 779	29 734	16 245	5	4
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	8	1 327	32 435	165 993	124 054	46 205	77 849	41 939	4 889	(W)	(W)
1623	Water, sewer, and utility lines	51	2 032	32 322	137 885	115 112	76 461	39 769	22 772	15 799	4	5
1629	Heavy construction, n.e.c.	96	1 574	34 362	134 190	103 701	64 230	40 575	*30 489	*7 707	28	25
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	451	4 696	88 358	298 885	275 052	147 984	130 633	23 833	5 519	4	3
1721	Painting and paper hanging	212	1 380	20 503	47 800	44 463	34 642	10 683	3 338	554	11	6
1731	Electrical work	318	3 108	55 687	177 246	170 618	91 449	79 845	6 628	2 865	5	5
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	210	1 839	27 206	65 152	62 327	42 180	(D)	2 826	1 592	5	4
1742	Plastering, drywall, and insulation work	131	1 669	30 636	125 499	115 735	74 381	44 062	9 763	1 282	6	8
1743	Terrazzo, tile, marble, and mosaic work	37	400	6 863	19 305	18 610	10 796	(D)	695	85	11	13
175	Carpentry and floor work:											
1751	Carpentry	258	1 176	15 408	57 970	51 393	28 378	23 294	6 577	866	11	10
1752	Floor laying and other floorwork	56	407	6 677	25 014	23 400	12 135	11 705	1 614	590	20	17
1761	Roofing, siding, and sheet metal work	165	2 046	32 979	104 791	99 636	58 855	46 122	5 155	1 893	6	8
1771	Concrete work	138	1 412	18 684	57 485	54 624	34 906	20 172	2 861	2 101	9	7
1781	Water well drilling	*26	*159	2 249	8 971	(D)	4 638	3 998	(D)	*608	42	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	29	301	6 775	19 304	17 638	12 675	5 195	1 666	482	10	10
1793	Glass and glazing work	22	241	5 556	22 267	21 900	10 854	11 868	367	148	5	3
1794	Excavation work	42	502	11 223	37 427	32 162	22 746	(D)	5 265	1 528	7	10
1795	Wrecking and demolition work	4	*53	*825	*2 617	*2 560	2 564	(D)	*57	(D)	48	45
1796	Installing building equipment, n.e.c.	8	140	3 709	12 873	(D)	8 781	4 005	(D)	(D)	(W)	(D)
1799	Special trade contractors, n.e.c.	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
6552	**Land subdividers and developers, n.e.c.**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	(S)	**(S)**	**(S)**
	WASHINGTON, DC-MD-VA MSA											
	Construction industries and land subdividers and developers	**8 875**	**143 620**	**3 324 557**	**15 715 244**	**10 728 476**	6 804 949	**4 143 416**	**4 986 768**	**230 561**	**1**	**1**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	1 452	8 658	148 341	788 638	565 723	319 733	265 528	222 915	11 508	4	7
1522	Other residential buildings	132	1 954	44 225	389 482	186 976	106 551	87 847	202 506	1 141	4	3
1531	Operative builders	644	11 325	339 955	3 486 925	1 929 652	1 211 351	772 595	1 557 274	26 982	2	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	54	1 127	22 819	187 111	69 198	42 696	27 771	117 913	908	14	13
1542	Nonresidential buildings, n.e.c.	474	16 956	435 213	3 323 589	1 243 993	793 477	477 991	2 079 596	15 527	1	1

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	WASHINGTON, DC-MD-VA MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries—Con.**											
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	137	5 167	127 496	587 790	492 793	309 131	200 577	94 997	30 865	3	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines	135	5 741	124 215	439 319	393 519	258 672	137 549	45 800	24 219	2	2
1629	Heavy construction, n.e.c.	89	6 691	190 370	475 391	390 694	307 459	85 028	84 697	3 859	1	1
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	1 014	16 642	403 200	1 447 257	1 231 774	706 235	536 210	215 482	20 308	1	1
1721	Painting and paper hanging	613	4 697	83 917	230 593	203 261	150 895	53 079	27 331	4 668	4	4
1731	Electrical work	746	14 273	350 675	988 569	966 226	618 649	356 845	22 343	16 494	1	1
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	414	7 139	134 146	360 468	345 072	229 335	119 126	15 396	5 495	3	5
1742	Plastering, drywall, and insulation work	319	7 867	171 109	506 491	467 247	293 551	177 236	39 245	6 226	2	2
1743	Terrazzo, tile, marble, and mosaic work	111	1 205	26 206	75 813	73 293	44 520	30 066	2 520	443	6	4
175	Carpentry and floor work:											
1751	Carpentry	663	5 693	100 029	262 389	227 258	152 118	81 018	35 131	5 183	4	5
1752	Floor laying and other floorwork	197	1 984	44 990	182 022	169 089	97 692	79 036	12 933	3 019	6	8
1761	Roofing, siding, and sheet metal work	367	5 139	111 510	322 691	304 987	206 590	108 400	17 703	9 005	3	3
1771	Concrete work	396	8 525	175 114	607 888	575 660	331 436	248 338	32 228	17 766	3	3
1781	Water well drilling	13	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	41	1 190	27 316	77 935	74 184	58 687	16 958	3 752	1 421	5	5
1793	Glass and glazing work	73	883	23 932	72 212	70 082	36 080	37 033	2 130	1 143	4	3
1794	Excavation work	195	2 895	69 113	257 996	232 268	180 297	57 075	25 728	13 573	4	4
1795	Wrecking and demolition work	16	483	8 146	24 918	22 766	22 012	1 215	2 152	437	2	1
1796	Installing building equipment, n.e.c.	46	1 538	52 911	146 778	143 182	96 685	(D)	3 596	567	3	2
1799	Special trade contractors, n.e.c.	375	4 064	76 353	276 404	242 838	165 095	94 487	33 566	6 398	9	7
6552	**Land subdividers and developers, n.e.c.**	**155**	**1 433**	**24 572**	**151 464**	**72 532**	**45 407**	**31 946**	**78 932**	**1 377**	**14**	**19**
	RICHMOND-PETERSBURG, VA MSA											
	Construction industries and land subdividers and developers	**2 834**	**30 078**	**574 236**	**2 478 883**	**1 871 772**	**1 126 540**	**794 285**	**607 110**	**47 479**	**1**	**2**
15,16, 17	**Construction industries:**											
	Building construction—General contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses	461	2 075	29 861	181 552	125 780	72 783	55 762	55 773	1 067	10	13
1522	Other residential buildings	11	251	6 250	57 261	21 933	14 238	(D)	35 328	(S)	18	17
1531	Operative builders	228	1 062	23 731	275 386	157 282	56 582	103 313	118 103	3 379	11	14
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses	21	399	7 232	41 879	18 564	11 676	(D)	23 315	(D)	14	12
1542	Nonresidential buildings, n.e.c.	127	2 530	50 730	430 456	190 792	112 748	79 953	239 663	2 468	6	6
16	**Heavy construction other than building construction—contractors:**											
1611	Highway and street construction	45	1 671	36 937	188 809	162 739	100 317	75 108	26 070	10 155	4	2
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction	3	73	1 775	6 481	(D)	3 073	2 126	(D)	(D)	(W)	(D)
1623	Water, sewer, and utility lines	43	2 551	48 049	136 359	122 063	84 936	(D)	14 296	2 926	4	5
1629	Heavy construction, n.e.c.	78	633	11 838	50 364	40 565	28 255	12 479	9 800	3 462	19	14

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	RICHMOND-PETERSBURG, VA MSA—Con.											
	Construction industries and land subdividers and developers—Con.											
15,16, 17	**Construction industries**—Con.											
17	**Special trade contractors:**											
1711	Plumbing, heating, and air-conditioning	354	5 100	102 230	294 504	277 850	163 759	121 199	16 653	5 532	4	3
1721	Painting and paper hanging	198	1 430	23 519	67 119	61 288	47 593	15 331	5 831	1 358	6	18
1731	Electrical work	211	2 378	53 579	161 438	158 656	92 608	67 382	2 782	3 365	4	3
174	Masonry, stonework, tile setting, and plastering:											
1741	Masonry, stone setting, and other stonework	185	1 705	25 205	74 157	72 249	48 836	(D)	1 908	902	7	14
1742	Plastering, drywall, and insulation work	92	2 059	34 510	92 050	85 774	58 316	(D)	6 276	1 890	4	4
1743	Terrazzo, tile, marble, and mosaic work	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
175	Carpentry and floor work:											
1751	Carpentry	192	810	11 717	35 976	32 621	20 555	12 120	3 355	571	12	9
1752	Floor laying and other floorwork	89	503	9 980	43 131	39 074	18 221	21 651	4 057	382	14	14
1761	Roofing, siding, and sheet metal work	128	1 056	16 793	55 297	51 688	29 911	(D)	3 609	1 002	10	8
1771	Concrete work	93	1 252	24 087	81 388	75 277	46 332	29 033	6 111	2 276	8	8
1781	Water well drilling	(S)	46	767	*3 430	(D)	(D)	*1 848	(D)	–	33	(D)
179	Miscellaneous special trade contractors:											
1791	Structural steel erection	20	431	10 158	30 996	29 582	18 802	(D)	1 414	1 083	8	5
1793	Glass and glazing work	11	239	5 969	25 897	24 871	9 273	(D)	1 026	179	1	4
1794	Excavation work	31	266	5 598	28 119	*23 941	*19 914	4 701	4 178	845	7	41
1795	Wrecking and demolition work	3	54	1 009	3 470	(D)	(D)	(D)	(D)	681	(W)	(D)
1796	Installing building equipment, n.e.c.	18	323	9 479	25 977	24 199	19 848	4 851	*1 778	62	14	14
1799	Special trade contractors, n.e.c.	107	774	13 239	36 303	33 238	20 807	13 388	3 065	*751	10	10
6552	**Land subdividers and developers, n.e.c.**	**45**	**127**	**5 323**	***37 629**	***16 507**	***14 049**	***3 857**	***21 122**	**792**	**22**	**52**

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West Virginia

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--Not applicable for this report.

SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for West Virginia. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 11,550 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for $1.7 billion in total value of business done.

Most of the 11,550 construction establishments were small. Of the total, 8,713 were nonemployers, and over half of the employer establishments had less than 5 employees. The 1,045 construction establishments with 5 employees or more, while representing only 9 percent of all establishments, accounted for more than 74 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for $1.5 billion on total dollar value of business done. Of this amount, $1.4 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to $200 million, leaving net value of construction work of $1.2 billion. In addition, these establishments paid out $521 million for the cost of materials, fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was $825 million. (See Introduction and appendixes for explanation of terms.)

There were 2,837 establishments with total employment averaging 20,669 during the year. Total payroll for 1987 was $401 million. Total hours worked by construction workers during the year were 27.9 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 8,713 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was $221 million. Most of these establishments, about 73 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

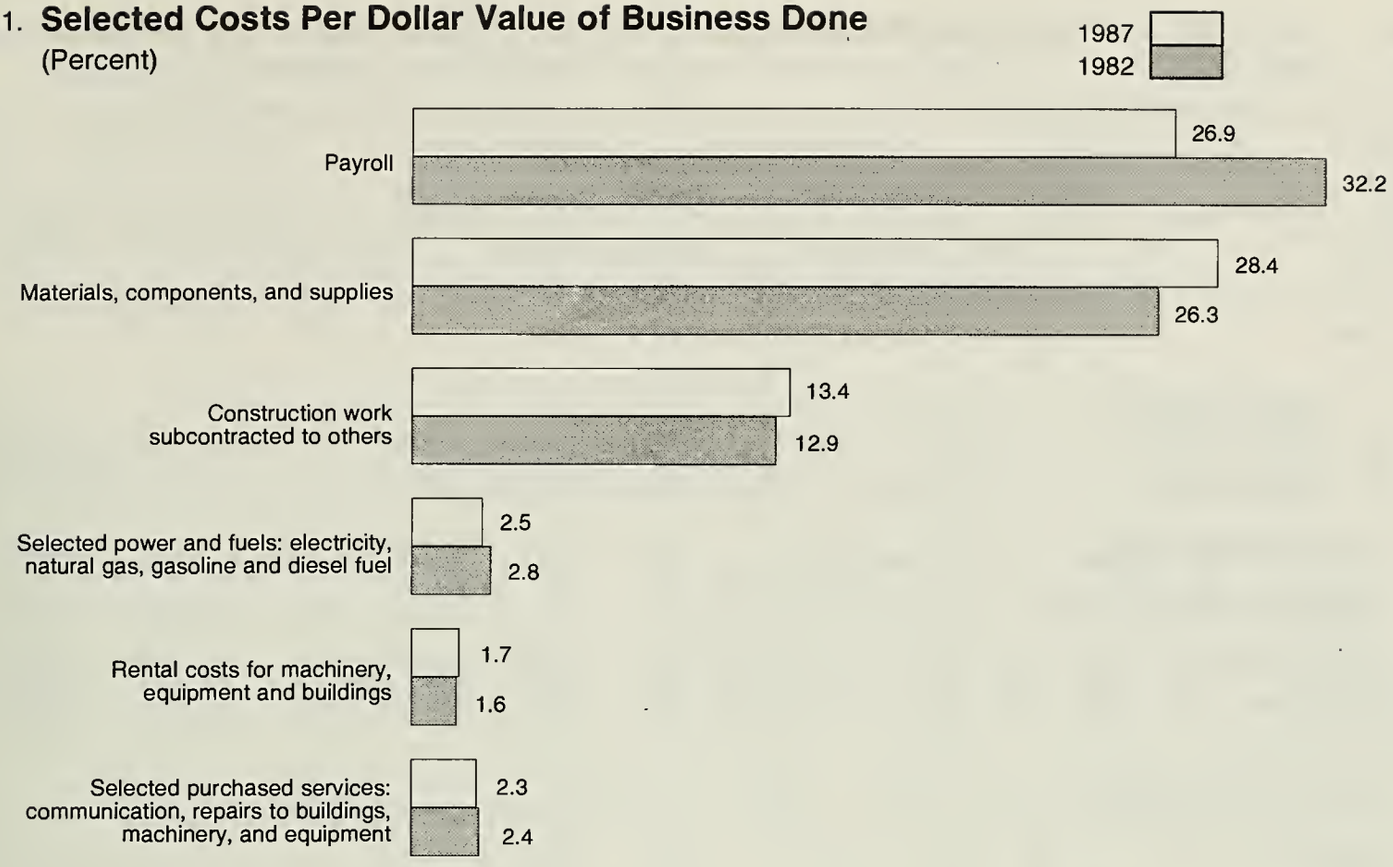


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

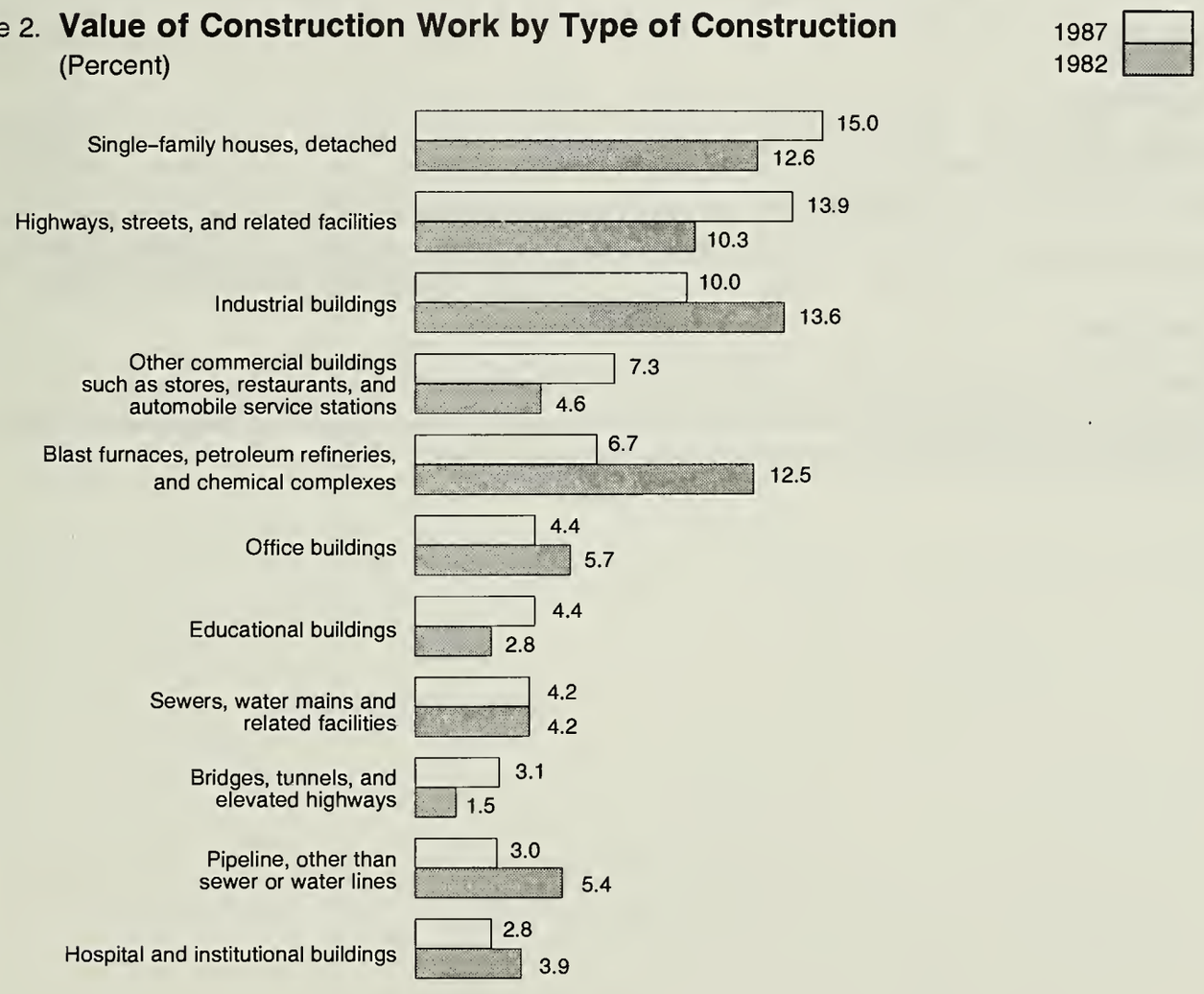


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[1]		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1987													
	Construction Industries and land subdividers and developers	11 550	9 356	20 669	1 712 872	8 713	8 586	220 929	2 837	770	20 669	1 491 943	2	2
15, 16, 17	**Construction industries**	11 303	9 196	20 634	1 687 880	8 504	8 438	198 123	2 799	758	20 634	1 489 757	2	2
15	**Building construction—General contractors and operative builders**	2 948	2 080	5 689	518 497	1 933	1 850	71 775	1 015	230	5 689	446 722	4	5
16	**Heavy construction other than building construction— contractors**	492	259	6 207	523 331	178	175	13 761	314	84	6 207	509 570	2	2
17	**Special trade contractors**	7 863	6 857	8 738	646 052	6 393	6 413	112 587	1 470	444	8 738	533 465	3	3
1711	Plumbing, heating, and air-conditioning	893	629	2 233	157 550	541	536	16 217	352	93	2 233	141 333	7	5
1731	Electrical work	650	476	1 742	105 249	449	444	7 611	201	32	1 742	97 638	6	5
6552	**Land subdividers and developers, n.e.c.[2]**	236	(S)	(S)	(S)	209	148	22 805	27	(S)	(S)	(S)	(S)	(S)
	1982													
	Construction Industries and land subdividers and developers	9 266	7 374	23 068	1 418 010	6 191	6 173	133 241	3 075	1 201	23 068	1 284 769	2	2
15, 16, 17	**Construction industries**	9 123	7 297	22 961	1 409 635	6 084	6 097	129 533	3 039	1 200	22 961	1 280 102	2	2
15	**Building construction—General contractors and operative builders**	2 117	1 448	5 597	373 740	1 066	1 051	31 683	1 051	397	5 597	342 057	4	3
16	**Heavy construction other than building construction— contractors**	581	361	7 014	471 156	312	316	25 482	269	45	7 014	445 674	2	2
17	**Special trade contractors**	6 425	5 488	10 350	564 739	4 706	4 730	72 368	1 719	758	10 350	492 371	3	2
1711	Plumbing, heating, and air-conditioning	744	521	2 235	116 255	422	423	9 414	322	98	2 235	106 841	6	5
1731	Electrical work	567	382	2 342	114 399	322	315	5 146	245	67	2 342	109 253	6	6
6552	**Land subdividers and developers, n.e.c.[2]**	139	76	104	8 371	107	76	3 708	32	-	104	4 663	25	23

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

[1]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

[2]For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll[1]			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All employees**	Dollar value of business done[2]		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1987													
The State	**11 550**	**9 356**	**20 669**	**1 712 872**	**8 713**	**8 586**	**220 929**	**2 837**	**770**	**20 669**	**1 491 943**	**2**	**2**
$10,000,000 or more	15	–	2 827	291 902	–	–	–	15	–	2 827	291 902	(W)	(W)
$5,000,000 to $9,999,999	29	3	1 916	(D)	2	2	(D)	27	1	1 916	184 665	(W)	(W)
$2,500,000 to $4,999,999	68	5	2 681	(D)	1	2	(D)	67	3	2 681	227 671	(W)	(W)
$1,000,000 to $2,499,999	190	13	3 213	720 085	6	4	22 119	184	9	3 213	285 630	5	8
$500,000 to $999,999	273	43	2 853	192 192	11	9	7 110	262	*34	2 853	185 082	9	10
$250,000 to $499,999	451	138	2 542	162 928	64	50	21 308	387	88	2 542	141 620	11	10
$100,000 to $249,999	(S)	(S)	(S)	(S)	319	298	47 647	(S)	(S)	(S)	(S)	(S)	(S)
$50,000 to $99,999	(S)	(S)	(S)	(S)	585	565	40 531	(S)	(S)	(S)	(S)	(S)	(S)
$25,000 to $49,999	(S)	(S)	(S)	(S)	958	945	33 767	(S)	(S)	(S)	(S)	(S)	(S)
Less than $25,000	(S)	(S)	(S)	(S)	6 767	6 711	48 446	(S)	(S)	(S)	(S)	(S)	(S)
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	1 844	1 823	29 443	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	1 625	1 611	11 820	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,000 to $4,999	(NA)	(NA)	(NA)	(NA)	1 285	1 277	4 682	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,000	(NA)	(NA)	(NA)	(NA)	2 013	2 000	2 501	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1982													
The State	**9 266**	**7 374**	**23 068**	**1 418 010**	**6 191**	**6 173**	**133 241**	**3 075**	**1 201**	**23 068**	**1 284 769**	**2**	**2**
$10,000,000 or more	16	–	3 971	(D)	1	–	(D)	15	–	3 971	282 590	(W)	(W)
$5,000,000 to $9,999,999	21	2	1 516	(D)	1	2	(D)	20	–	1 516	139 735	(W)	(W)
$2,500,000 to $4,999,999	45	–	2 630	(S)	–	–	–	45	–	2 630	(S)	(W)	(S)
$1,000,000 to $2,499,999	159	10	3 722	851 598	2	3	19 509	157	7	3 722	236 761	4	4
$500,000 to $999,999	200	26	2 491	137 740	7	7	4 259	193	*19	2 491	133 481	7	7
$250,000 to $499,999	450	122	3 187	152 897	21	20	6 908	429	102	3 187	145 989	8	7
$100,000 to $249,999	876	419	2 876	136 792	149	138	22 076	727	281	2 876	114 716	8	7
$50,000 to $99,999	861	655	1 254	60 469	323	328	21 928	538	327	1 254	38 541	8	8
$25,000 to $49,999	1 076	872	684	37 818	696	708	24 178	380	164	684	13 640	10	10
Less than $25,000	5 561	5 266	735	40 695	4 991	4 967	34 383	570	299	735	6 312	9	9
$10,000 to $24,999	(NA)	(NA)	(NA)	(NA)	1 376	1 369	21 000	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$5,000 to $9,999	(NA)	(NA)	(NA)	(NA)	1 245	1 244	8 392	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
$2,500 to $4,999	(NA)	(NA)	(NA)	(NA)	1 362	1 360	3 983	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than $2,500	(NA)	(NA)	(NA)	(NA)	1 008	994	1 008	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

[1]For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.
[2]For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987							
		Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†
			All	Construction workers	All employees	Construction workers			
		A	B	C	D	E	F	G	H
	Construction industries and land subdividers and developers	**2 837**	**20 669**	**17 059**	**401 356**	**309 579**	**27 907**	**1 440 174**	**1 240 308**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	667	2 440	1 974	28 870	22 547	2 893	139 313	114 981
1522	Other residential buildings	41	302	235	4 575	3 220	334	25 915	16 287
1531	Operative builders	63	305	147	4 631	1 964	299	38 457	32 538
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	49	685	582	14 631	11 690	901	53 197	41 347
1542	Nonresidential buildings, n.e.c.	195	1 957	1 540	36 662	28 027	2 382	176 259	115 444
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	82	1 793	1 522	46 105	35 680	2 823	209 236	178 206
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	8	290	248	8 079	6 331	498	31 295	26 203
1623	Water, sewer, and utility lines	88	1 769	1 544	36 626	29 872	2 908	100 584	95 810
1629	Heavy construction, n.e.c.	136	2 355	2 038	55 581	38 797	3 205	146 887	134 683
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	352	2 233	1 757	42 929	33 263	3 242	138 243	128 453
1721	Painting and paper hanging	100	289	248	4 462	3 532	341	14 615	14 227
1731	Electrical work	201	1 742	1 419	38 462	31 812	2 411	96 078	95 141
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	140	484	443	5 584	4 909	508	12 511	11 844
1742	Plastering, drywall, and insulation work	35	331	288	7 780	6 547	471	19 425	18 327
1743	Terrazzo, tile, marble, and mosaic work	10	39	27	747	523	59	3 165	3 143
175	Carpentry and floor work:								
1751	Carpentry	136	398	361	5 902	5 119	586	18 513	17 557
1752	Floor laying and other floor work	*30	*100	*77	*1 075	*862	81	6 172	*5 714
1761	Roofing, siding, and sheet metal work	94	935	783	18 797	13 680	1 003	55 959	54 910
1771	Concrete work	64	634	553	10 943	9 152	781	42 104	37 087
1781	Water well drilling	44	152	124	*2 156	*1 649	*274	8 480	*8 012
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	23	191	160	3 888	3 025	209	10 555	8 809
1793	Glass and glazing work	17	82	57	1 743	1 094	101	5 590	5 574
1794	Excavation work	133	431	363	7 403	5 887	572	32 213	29 936
1795	Wrecking and demolition work	3	42	36	(D)	544	63	(D)	(D)
1796	Installing building equipment, n.e.c.	21	202	164	6 920	5 777	312	33 729	(D)
1799	Special trade contractors, n.e.c.	67	453	353	5 625	4 047	*635	18 479	16 937
6552	**Land subdividers and developers, n.e.c.**	***27**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**

†In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts[1]	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
825 347	**460 447**	199 865	**25 846**	39 628	308 158	**23 068**	**1 236 899**	**741 182**	**2**	**2**	**6**	
												15, 16, 17
												15
												152
65 780	51 112	24 331	829	1 819	14 144	2 381	93 198	41 914	8	8	26	1521
8 993	8 116	9 628	206	*116	1 367	210	11 996	4 685	27	22	42	1522
18 738	14 142	5 919	275	1 249	*5 323	372	20 473	8 248	28	31	29	1531
												154
28 778	13 383	11 850	884	930	6 274	1 030	73 905	38 017	10	13	38	1541
72 440	47 133	60 815	1 216	2 087	14 646	1 604	127 872	49 672	9	7	32	1542
												16
121 143	72 469	31 029	5 722	14 594	101 059	1 649	133 548	74 108	3	3	2	1611
												162
15 174	(D)	5 092	553	*232	7 864	132	12 739	6 646	(W)	(W)	48	1622
77 029	22 531	4 773	3 794	3 130	36 958	2 092	100 843	72 667	4	4	20	1623
106 930	30 153	12 203	4 719	5 974	36 424	3 141	182 720	137 591	5	4	26	1629
												17
75 795	55 748	9 789	1 626	2 292	19 810	2 235	102 688	56 930	7	5	17	1711
11 548	2 816	*388	*402	(S)	*2 486	493	15 928	11 884	14	24	(S)	1721
64 001	32 700	936	871	650	10 750	2 342	108 262	70 150	6	5	23	1731
												174
9 265	(D)	*667	192	*76	2 155	497	14 087	10 374	17	17	46	1741
13 316	(D)	1 098	105	392	2 769	465	21 891	18 759	10	12	2	1742
2 023	(D)	22	54	48	316	50	2 362	1 628	3	3	10	1743
												175
10 341	7 284	955	118	391	*2 557	544	17 590	9 024	12	16	34	1751
*2 748	*3 245	(S)	(S)	(S)	479	70	4 484	*2 593	48	50	(S)	1752
33 798	22 284	1 048	568	753	7 253	717	35 405	22 318	7	4	17	1761
22 503	(D)	5 016	*1 096	810	6 060	426	19 518	10 830	15	12	18	1771
4 201	*4 147	*468	(S)	114	(S)	71	2 808	1 556	36	42	(W)	1781
												179
8 459	2 298	1 745	*150	*234	*1 436	374	19 311	11 320	16	10	70	1791
3 085	2 845	16	31	*14	455	110	3 770	2 183	10	15	54	1793
21 636	9 647	2 277	*1 567	*1 817	*13 633	1 017	55 062	42 548	16	16	58	1794
1 882	191	(D)	112	(D)	(D)	142	5 373	4 643	(W)	(D)	(D)	1795
14 444	13 567	(D)	165	57	(D)	324	28 317	15 737	(W)	(D)	(W)	1796
10 869	7 829	1 542	*337	*296	*5 507	473	19 918	13 323	36	30	70	1799
(S)	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**104**	**2 828**	**1 829**	**(S)**	**(S)**	**(S)**	6552

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	1977	1972	Relative standard error of estimate (percent) 1987	1982	1977	1972
Number of establishments in business during year	2 837	3 075	3 736	2 817	2	3	4	5
Proprietors and working partners	770	1 201	2 435	1 794	8	6	7	8
All employees**	20 669	23 068	30 801	22 584	2	2	2	4
Construction workers:								
March	14 391	17 812	22 725	16 549	2	2	2	3
May	17 046	20 071	29 149	19 168	2	2	2	4
August	19 210	20 697	29 685	22 121	2	2	2	4
November	17 587	19 239	27 032	20 644	2	2	2	4
Average	17 059	19 789	27 168	19 997	2	2	2	3
Other employees:								
March	3 534	3 235	3 475	2 406	3	2	5	5
May	3 574	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
August	3 748	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
November	3 586	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Average	3 610	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Construction worker hours (thousands):								
January to March	5 652	7 155	(NA)	(NA)	3	2	(NA)	(NA)
April to June	6 964	8 337	(NA)	(NA)	3	2	(NA)	(NA)
July to September	7 996	8 878	(NA)	(NA)	3	2	(NA)	(NA)
October to December	7 293	8 053	(NA)	(NA)	3	2	(NA)	(NA)
Total hours worked	27 907	32 426	(NA)	(NA)	2	2	(NA)	(NA)
Payroll, all employees	401 356	413 918	369 459	204 486	1	1	1	3
Payroll, construction workers	309 579	344 602	312 001	175 540	1	1	1	3
Payroll, other employees	91 776	69 316	57 458	28 946	2	2	3	5
First quarter payroll, all employees	76 136	89 091	67 734	(NA)	2	2	1	(NA)
Employer costs for fringe benefits, all employees	93 030	81 005	75 442	(NA)	2	1	7	(NA)
Legally required expenditures	61 960	54 871	40 953	(NA)	2	2	5	(NA)
Voluntary expenditures	31 069	26 133	34 489	(NA)	2	1	10	(NA)
Dollar value of business done	1 491 943	1 284 769	1 170 625	640 476	2	2	2	3
Value of construction work[1]	1 440 174	1 236 899	1 107 206	615 679	2	2	1	3
Value of construction work subcontracted in from others	214 993	264 364	210 391	99 109	5	3	2	9
Land receipts[2]	6 283	4 280	(NA)	(NA)	23	15	(NA)	(NA)
Other business receipts	45 486	43 590	63 419	24 797	4	3	5	8
Net value of construction†	1 240 308	1 071 405	972 374	533 183	2	2	1	3
Value added††	825 347	741 182	634 943	370 971	2	1	1	3
Selected costs	660 312	539 307	523 149	263 643	3	2	2	4
Materials, components, and supplies[3]	423 681	337 514	363 696	181 147	2	2	2	5
Construction work subcontracted to others	199 865	165 494	134 832	82 496	5	3	3	5
Selected power, fuels, and lubricants	36 765	36 298	24 622	(NA)	3	3	2	(NA)
Electricity	3 887	3 077	3 286	(NA)	3	6	5	(NA)
Natural gas	2 274	2 377	1 624	(NA)	12	4	8	(NA)
Gasoline and diesel fuel	27 525	28 132	16 907	(NA)	3	3	2	(NA)
On highway use	16 970	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Off highway use	10 554	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Other, including lubricating oils and greases	3 078	2 711	2 805	(NA)	9	5	5	(NA)
Rental cost for machinery, equipment, and buildings	25 846	20 010	13 584	(NA)	5	4	2	(NA)
For machinery and equipment	20 433	15 974	11 779	12 169	5	4	2	7
For buildings	5 412	4 035	1 805	(NA)	8	7	5	(NA)
Selected purchased services	34 448	30 759	30 308	(NA)	4	3	9	(NA)
Communication services	6 336	6 023	4 809	(NA)	4	4	4	(NA)
Repairs to buildings and other structures	1 734	919	1 403	(NA)	30	7	10	(NA)
Repairs to machinery and equipment	26 377	23 816	24 096	(NA)	4	3	11	(NA)
Ownership of construction projects:								
Value of construction work	1 440 174	1 236 899	1 107 206	615 679	2	2	1	3
Government owned	398 675	268 256	210 922	222 481	3	5	1	5
Federal	133 353	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
State and local	265 321	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Privately owned	1 041 498	968 642	896 284	393 198	3	2	2	4

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

[3]For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1987	1982	Relative standard error of estimate (percent) 1987	1982
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT				
Beginning-of-year gross book value of depreciable assets	293 689	355 155	5	3
Capital expenditures, other than land	39 628	24 442	6	6
New	30 990	17 638	6	5
Used	8 638	6 803	14	9
Retirements and disposition of depreciable assets	25 159	10 275	37	10
End-of-year gross book value of depreciable assets	308 158	369 322	4	3
Depreciation charges during year	32 365	41 066	5	3
Buildings and Other Structures, Additions, and Related Facilities				
Beginning-of-year gross book value of depreciable assets	39 912	47 105	9	4
Capital expenditures, other than land	2 970	2 733	15	12
New buildings and other structures	2 140	1 747	17	4
Used buildings and other structures	829	985	26	32
Retirements and disposition of depreciable assets	921	1 130	14	20
End-of-year gross book value of depreciable assets	41 961	48 707	8	5
Depreciation charges during year	3 650	3 704	9	6
Machinery and Equipment				
Beginning-of-year gross book value of depreciable assets	253 776	308 050	5	3
Capital expenditures, other than land	36 658	21 709	7	5
New machinery and equipment, including automobiles and trucks	28 849	15 891	7	6
New automobiles and trucks, intended primarily for highway use	8 480	6 278	9	10
Used machinery and equipment, including automobiles and trucks	7 809	5 817	16	8
Retirements and disposition of depreciable assets	24 238	9 144	38	11
End-of-year gross book value of depreciable assets	266 197	320 614	4	3
Depreciation charges during year	28 715	37 362	5	4

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
All establishments:		
Number	2 837	2
Value of construction work	1 440 174	2
Establishments with inventories:		
Number	713	8
Value of construction work	650 884	4
Inventories[1]:		
End of 1987, materials and supplies	21 620	17
End of 1986, materials and supplies	15 826	12
Establishments with no inventories:		
Number	1 598	5
Value of construction work	470 023	5
Establishments not reporting:		
Number	526	10
Value of construction work	319 267	7

[1]Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1987										
Number of establishments	2 837	(S)	549	309	142	29	14	1	1	-
All employees**	20 669	(S)	3 585	4 065	4 368	1 966	3 400	(D)	(D)	-
Payroll, all employees	401 356	(S)	54 030	69 081	96 081	50 697	93 386	(D)	(D)	-
Construction worker hours (thousands)	27 907	(S)	4 328	5 298	5 920	3 117	5 328	(D)	(D)	-
Dollar value business done	1 491 943	(S)	224 760	239 876	372 362	176 068	260 065	(D)	(D)	-
Value of construction work[1]	1 440 174	(S)	217 021	233 919	358 727	168 957	248 281	(D)	(D)	-
Net value of construction work†	1 240 308	(S)	180 603	512 895	(D)	144 658	220 413	(D)	(D)	-
Value added††	825 347	(S)	111 680	134 683	197 091	91 020	182 621	(D)	(D)	-
Cost of materials, components, supplies, and fuels	460 447	(S)	153 671	(D)	120 033	60 749	49 576	(D)	(D)	-
Cost of construction work subcontracted to others	199 865	(S)	36 417	79 751	(D)	24 299	27 868	(D)	(D)	-
Rental cost for machinery, equipment, and buildings	25 846	(S)	3 409	3 738	7 576	3 401	5 738	(D)	(D)	-
Capital expenditures, other than land	39 628	(S)	5 192	5 939	7 891	4 979	10 244	(D)	(D)	-
End-of-year gross book value of depreciable assets	308 158	(S)	42 233	40 236	59 835	38 837	89 160	(D)	(D)	-
1982										
All employees**	23 068	4 030	3 607	3 925	3 893	2 429	2 512	2 671	-	(D)
Value of construction work[1]	1 236 899	168 231	144 327	197 452	260 359	163 337	172 159	131 033	-	(D)
Value added††	741 182	86 469	87 323	111 501	144 476	98 591	99 842	112 979	-	(D)
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees**	2	(S)	9	8	4	(W)	(W)	(D)	(D)	-
Net value of construction work†	2	(S)	9	6	(D)	(W)	(W)	(D)	(D)	-
Capital expenditures, other than land	6	(S)	27	29	13	7	(W)	(D)	(D)	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done—								
		Less than $25,000	$25,000 to $49,999	$50,000 to $99,999	$100,000 to $249,999	$250,000 to $499,999	$500,000 to $999,999	$1,000,000 to $2,499,999	$2,500,000 to $4,999,999	$5,000,000 to $9,999,999	$10,000,000 or more
1987											
Number of establishments	2 837	(S)	(S)	(S)	(S)	387	262	184	67	27	15
All employees**	20 669	(S)	(S)	(S)	(S)	2 542	2 853	3 213	2 681	1 916	2 827
Payroll, all employees	401 356	(S)	(S)	(S)	(S)	36 650	49 020	71 929	60 725	51 129	85 866
Construction worker hours (thousands)	27 907	(S)	(S)	(S)	(S)	3 605	3 381	4 660	3 491	2 961	4 508
Dollar value of business done	1 491 943	(S)	(S)	(S)	(S)	141 620	185 082	285 630	227 671	184 665	291 902
Value of construction work[1]	1 440 174	(S)	(S)	(S)	(S)	140 591	177 122	276 506	218 135	176 301	280 525
Net value of construction work†	1 240 308	(S)	(S)	(S)	(S)	124 641	158 002	566 037	(D)	(D)	237 856
Value added††	825 347	(S)	(S)	(S)	(S)	72 775	100 639	153 025	127 296	105 842	172 560
Cost of materials, components, supplies, and fuels	460 447	(S)	(S)	(S)	(S)	52 894	63 147	85 783	67 183	50 929	76 673
Cost of construction work subcontracted to others	199 865	(S)	(S)	(S)	(S)	15 950	19 119	104 905	(D)	(D)	42 669
Rental cost for machinery, equipment, and buildings	25 846	(S)	(S)	(S)	(S)	2 271	2 350	4 542	4 447	3 462	6 800
Capital expenditures, other than land	39 628	(S)	(S)	(S)	(S)	3 915	4 101	8 888	3 020	4 328	11 312
End-of-year gross book value of depreciable assets	308 158	(S)	(S)	(S)	(S)	34 417	32 336	39 809	39 372	25 641	98 741
1982											
All employees**	23 068	735	684	1 254	2 876	3 187	2 491	3 722	2 630	1 516	3 971
Value of construction work[1]	1 236 899	6 165	13 399	37 360	111 679	140 894	126 954	228 215	164 231	134 857	273 144
Value added††	741 182	3 346	7 967	20 565	62 233	83 585	71 555	122 870	101 300	86 399	181 359
1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees**	2	(S)	(S)	(S)	(S)	11	9	5	(W)	(W)	(W)
Net value of construction work†	2	(S)	(S)	(S)	(S)	10	10	6	(D)	(D)	(W)
Capital expenditures, other than land	6	(S)	(S)	(S)	(S)	28	23	22	5	7	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Value of construction work[1]				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction[2]	Maintenance and repair				
	A	B	C	D	A	B	C	D
1987								
Value of construction work[1]	**1 440 174**	**791 670**	**307 667**	**236 456**	**2**	3	3	**4**
Building construction	**739 066**	**416 623**	**217 005**	**102 587**	3	**5**	**4**	**5**
Single-family houses	233 979	143 981	61 731	28 266	7	9	11	11
Single-family houses, detached	216 282	132 134	58 481	25 665	7	9	12	11
Single-family houses, attached	17 697	11 846	*3 250	2 600	30	26	49	39
Apartment buildings with two or more apartments	21 491	14 126	2 881	4 482	12	14	35	28
Other residential buildings, including hotels and motels	19 977	10 896	6 794	2 286	13	14	30	16
Hotels and motels	13 526	9 441	2 812	1 271	9	13	11	9
Other residential buildings, excluding hotels and motels	6 451	*1 454	*3 981	1 014	35	62	50	34
Office buildings	63 433	32 766	23 710	6 956	5	7	9	7
Other commercial buildings such as stores, restaurants, and automobile service stations	105 282	65 819	22 555	16 906	6	8	7	11
Industrial buildings and warehouses	163 426	70 482	60 256	32 687	5	8	5	9
Industrial buildings	143 410	56 091	55 815	31 503	6	10	5	9
Warehouses	20 016	14 390	4 440	1 184	8	10	15	16
Religious buildings	11 715	4 927	4 911	1 876	14	18	26	19
Educational buildings	63 739	45 151	14 825	3 762	23	32	16	19
Hospitals and institutional buildings	40 544	21 190	15 258	4 095	5	5	11	4
Other nonresidential buildings	12 630	7 285	4 084	1 271	22	29	29	25
Land development for buildings	*2 850	(NA)	(NA)	(NA)	53	(NA)	(NA)	(NA)
Nonbuilding construction	**599 578**	**375 047**	**90 661**	**133 869**	**2**	**2**	3	**4**
Highways, streets, and related facilities	200 395	116 069	29 375	54 950	3	3	2	6
Parking areas including private driveways	15 413	10 641	1 894	2 876	21	21	23	36
Bridges, tunnels, and elevated highways	44 901	(D)	(D)	*4 652	7	(D)	(D)	65
Conservation and development construction	15 969	10 710	2 196	3 061	7	(W)	37	16
Power and communication transmission lines, towers, and related facilities	26 167	11 449	6 981	7 737	14	24	20	22
Sewers, water mains, and related facilities	59 911	47 345	7 485	5 081	10	10	9	26
Sewers, sewer lines, and related facilities	32 531	26 182	3 879	2 469	10	10	12	22
Water mains and related facilities	27 380	21 163	3 605	*2 611	17	17	8	45
Pipeline, other than sewer or water lines	43 112	23 445	4 707	14 959	4	4	12	8
Blast furnaces, petroleum refineries, and chemical complexes	95 757	64 639	16 015	15 102	2	2	3	6
Power plants	22 476	*1 750	5 772	14 954	11	73	32	3
Sewage treatment and water treatment plants	24 584	19 425	2 702	2 457	9	8	11	39
Sewage treatment plants	17 812	16 776	(D)	(D)	6	6	(D)	(D)
Water treatment plants	6 772	2 649	(D)	(D)	29	39	(D)	(D)
Earthmoving, nonbuilding	15 936	14 493	1 033	409	26	29	11	16
Other nonbuilding construction	34 957	(D)	(D)	(D)	19	(D)	(D)	20
Construction work, n.s.k.	**101 528**	**(NA)**	**(NA)**	**(NA)**	**10**	**(NA)**	**(NA)**	**(NA)**
1982								
Value of construction work[1]	**1 236 899**	**932 655**	**(NA)**	**304 243**	**2**	**2**	**(NA)**	**2**
Building construction	**626 598**	**490 578**	**(NA)**	**136 019**	**2**	**2**	**(NA)**	3
Single-family houses	163 736	118 557	(NA)	45 178	5	5	(NA)	7
Single-family houses, detached	156 185	112 913	(NA)	43 272	5	6	(NA)	7
Single-family houses, attached	7 551	5 644	(NA)	1 906	12	15	(NA)	17
Apartment buildings with two or more apartments	26 928	21 909	(NA)	5 019	8	9	(NA)	11
Other residential buildings, including hotels and motels	7 987	5 429	(NA)	2 557	8	10	(NA)	10
Office buildings	70 024	54 547	(NA)	15 477	5	6	(NA)	4
Other commercial buildings such as stores, restaurants, and automobile service stations	56 929	44 327	(NA)	12 602	6	7	(NA)	11
Industrial buildings and warehouses	193 662	155 274	(NA)	38 387	3	4	(NA)	4
Industrial buildings	168 029	133 290	(NA)	34 738	3	3	(NA)	4
Warehouses	25 633	21 984	(NA)	3 648	12	14	(NA)	7
Religious buildings	8 273	6 059	(NA)	2 214	11	13	(NA)	14
Educational buildings	34 757	28 971	(NA)	5 786	6	8	(NA)	12
Hospitals and institutional buildings	48 206	41 141	(NA)	7 065	3	2	(NA)	8
Other nonresidential buildings	16 105	14 364	(NA)	1 734	25	27	(NA)	19
Nonbuilding construction	**494 647**	**352 340**	**(NA)**	**142 307**	**2**	**2**	**(NA)**	**2**
Highways, streets, and related facilities	127 297	83 864	(NA)	43 432	2	2	(NA)	2
Bridges, tunnels, and elevated highways	19 150	14 628	(NA)	4 521	(W)	(W)	(NA)	2
Conservation and development construction	8 128	*2 772	(NA)	*5 356	39	62	(NA)	56
Power and communication transmission lines, towers, and related facilities	19 148	13 603	(NA)	5 545	10	13	(NA)	14
Sewers, water mains, and related facilities	51 882	47 592	(NA)	4 289	6	6	(NA)	21
Sewers, sewer lines, and related facilities	31 749	29 479	(NA)	2 269	8	8	(NA)	28
Water mains and related facilities	20 132	18 112	(NA)	2 020	11	11	(NA)	31
Pipeline, other than sewer or water lines	66 590	48 713	(NA)	17 877	5	6	(NA)	1
Mass transit construction	7 518	3 997	(NA)	3 520	3	1	(NA)	4
Heavy industrial facilities	154 431	(D)	(NA)	(D)	(W)	(D)	(NA)	(D)
Sewage treatment and water treatment plants	13 381	12 841	(NA)	*540	24	25	(NA)	49
Sewage treatment plants	10 078	9 675	(NA)	*403	31	33	(NA)	66
Water treatment plants	3 302	3 165	(NA)	136	14	14	(NA)	(W)
Other nonbuilding construction	27 122	(D)	(NA)	(D)	11	(D)	(NA)	(D)
Construction work, n.s.k.	**115 654**	**89 737**	**(NA)**	**25 916**	6	6	**(NA)**	7

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

[2]In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)
		A	B	C	D	E	F	G
	Construction industries and land subdividers and developers	**2 837**	**17 059**	**27 907**	**14 391**	**5 652**	**17 046**	**6 964**
15, 16, 17	**Construction industries:**							
15	**Building construction—General contractors and operative builders:**							
152	General contractors, residential buildings:							
1521	Single-family houses	667	1 974	2 893	1 788	608	1 912	704
1522	Other residential buildings	41	235	334	213	59	201	70
1531	Operative builders	63	147	299	123	*63	159	78
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses	49	582	901	535	189	522	208
1542	Nonresidential buildings, n.e.c.	195	1 540	2 382	1 367	506	1 546	608
16	**Heavy construction other than building construction—contractors:**							
1611	Highway and street construction	82	1 522	2 823	978	418	1 738	746
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction	8	248	498	183	81	255	125
1623	Water, sewer, and utility lines	88	1 544	2 908	1 113	517	1 552	700
1629	Heavy construction, n.e.c.	136	2 038	3 205	1 945	721	2 027	849
17	**Special trade contractors:**							
1711	Plumbing, heating, and air-conditioning	352	1 757	3 242	1 570	722	1 732	770
1721	Painting and paper hanging	100	248	341	173	60	252	100
1731	Electrical work	201	1 419	2 411	1 287	533	1 277	550
174	Masonry, stonework, tile setting, and plastering:							
1741	Masonry, stone setting, and other stonework	140	443	508	417	118	487	147
1742	Plastering, drywall, and insulation work	35	288	471	241	94	297	122
1743	Terrazzo, tile, marble, and mosaic work	10	27	59	22	12	27	13
175	Carpentry and floor work:							
1751	Carpentry	136	361	586	343	125	351	153
1752	Floor laying and other floor work	*30	*77	81	*84	17	*82	13
1761	Roofing, siding, and sheet metal work	94	783	1 003	603	200	783	244
1771	Concrete work	64	553	781	404	150	578	202
1781	Water well drilling	44	124	*274	107	*59	*117	*63
179	Miscellaneous special trade contractors:							
1791	Structural steel erection	23	160	209	115	32	160	63
1793	Glass and glazing work	17	57	101	56	23	55	25
1794	Excavation work	133	363	572	275	112	374	150
1795	Wrecking and demolition work	3	36	63	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	21	164	312	168	83	161	77
1799	Special trade contractors, n.e.c.	67	353	*635	251	*132	358	*160
6552	**Land subdividers and developers, n.e.c.**	***27**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**

[1]Construction workers during pay periods including 12th of March, May, August, and November.

July to September		October to December		Relative standard error of estimate (percent) for column—										1987 SIC code
Construction workers[1]	Hours worked (thousands)	Construction workers[1]	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
19 210	**7 996**	**17 587**	**7 293**	**2**	**2**	**2**	3	**2**	3	**2**	3	**2**	3	
														15, 16, 17
														15
														152
2 262	856	1 936	724	8	12	8	12	8	12	10	15	9	13	1521
281	98	246	*105	27	33	28	34	29	34	28	33	31	44	1522
(D)	(D)	(D)	(D)	27	33	32	42	25	31	(D)	(D)	(D)	(D)	1531
														154
606	234	665	269	10	16	9	15	10	17	10	16	11	15	1541
1 797	658	1 448	608	9	13	8	12	10	14	11	12	9	14	1542
														16
1 906	975	1 468	683	3	4	2	5	5	4	3	3	4	5	1611
														162
293	176	264	115	(W)	8	(W)	8	(W)	9	(W)	7	(W)	10	1622
1 751	840	1 762	849	4	4	6	8	4	6	3	4	3	3	1623
2 113	788	2 069	846	5	4	5	4	6	4	7	4	5	4	1629
														17
1 923	903	1 805	846	7	8	7	9	7	7	7	9	7	9	1711
303	109	266	72	15	28	25	39	17	31	12	32	16	26	1721
1 504	658	1 611	669	6	8	6	10	7	10	6	9	5	7	1731
														174
														1741
497	153	371	89	17	21	20	28	16	21	18	19	18	29	
326	136	291	117	11	10	9	13	10	8	13	9	15	12	1742
34	17	28	16	4	3	6	5	5	10	4	4	(W)	4	1743
														175
407	162	345	144	11	13	11	10	12	14	12	13	12	17	1751
*95	30	*49	*20	49	21	48	13	52	13	45	30	63	44	1752
891	289	856	269	7	10	8	10	8	11	8	12	6	8	1761
625	228	604	200	15	16	27	35	16	19	12	14	12	11	1771
*118	*69	151	82	39	48	37	47	44	56	44	55	34	40	1781
														179
187	56	177	56	16	24	15	28	26	37	18	33	18	12	1791
57	27	60	24	13	18	13	20	13	19	6	10	20	26	1793
451	170	353	139	16	23	20	27	16	22	14	22	16	25	1794
49	23	37	16	(W)	(W)	(D)	(D)	(D)	(D)	(W)	(W)	(W)	(W)	1795
163	69	167	81	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1796
376	*167	*426	*173	38	51	39	54	38	50	37	48	42	54	1799
(D)	**(D)**	**(D)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(D)**	**(D)**	**(D)**	**(S)**	6552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per establishment	Payroll per employee ($1,000)	Construction worker hours per construction worker	Value of construction work per construction worker ($1,000)	Average per dollar of value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers	**7.3**	**19.4**	**1 635.9**	**84.4**	**.279**	**.320**	**.139**	**.018**
15, 16, 17	**Construction industries:**								
15	**Building construction—General contractors and operative builders:**								
152	General contractors, residential buildings:								
1521	Single-family houses	3.7	11.8	1 465.6	70.6	.207	.367	.175	.006
1522	Other residential buildings	7.4	15.1	1 421.3	110.3	.177	.313	.372	.008
1531	Operative builders	4.8	15.2	2 034.0	261.6	.120	.368	.154	.007
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses	14.0	21.4	1 548.1	91.4	.275	.252	.223	.017
1542	Nonresidential buildings, n.e.c.	10.0	18.7	1 546.8	114.5	.208	.267	.345	.007
16	**Heavy construction other than building construction—contractors:**								
1611	Highway and street construction	21.9	25.7	1 854.8	137.5	.220	.346	.148	.027
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction	36.3	27.9	2 008.1	126.2	.258	(D)	.163	.018
1623	Water, sewer, and utility lines	20.1	20.7	1 883.4	65.1	.364	.224	.047	.038
1629	Heavy construction, n.e.c.	17.3	23.6	1 572.6	72.1	.378	.205	.083	.032
17	**Special trade contractors:**								
1711	Plumbing, heating, and air-conditioning	6.3	19.2	1 845.2	78.7	.311	.403	.071	.012
1721	Painting and paper hanging	2.9	15.4	1 375.0	58.9	.305	.193	*.027	*.028
1731	Electrical work	8.7	22.1	1 699.1	67.7	.400	.340	.010	.009
174	Masonry, stoneowrk, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework	3.5	11.5	1 146.7	28.2	.446	(D)	*.053	.015
1742	Plastering, drywall, and insulation work	9.5	23.5	1 635.4	67.4	.401	(D)	.057	.005
1743	Terrazzo, tile, marble, and mosaic work	3.9	19.2	2 185.2	117.2	.236	(D)	.007	.017
175	Carpentry and floor work:								
1751	Carpentry	2.9	14.8	1 623.3	51.3	.319	.393	.052	.006
1752	Floor laying and other floor work	*3.3	*10.8	*1 051.9	*80.2	*.174	*.526	(S)	(S)
1761	Roofing, siding, and sheet metal work	9.9	20.1	1 281.0	71.5	.336	.398	.019	.010
1771	Concrete work	9.9	17.3	1 412.3	76.1	.260	(D)	.119	*.026
1781	Water well drilling	3.5	*14.2	*2 209.7	68.4	*.254	*.489	*.055	(S)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection	8.3	20.4	1 306.3	66.0	.368	.218	.165	*.014
1793	Glass and glazing work	4.8	21.3	1 771.9	98.1	.312	.509	.003	.006
1794	Excavation work	3.2	17.2	1 575.8	88.7	.230	.299	.071	*.049
1795	Wrecking and demolition work	14.0	(D)	1 750.0	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c.	9.6	34.3	1 902.4	205.7	.205	.402	(D)	.005
1799	Special trade contractors, n.e.c.	6.8	12.4	*1 798.9	52.3	.304	.424	.083	*.018
6552	**Land subdividers and developers, n.e.c.**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**	**(S)**

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Not applicable]

APPENDIX A.
Explanation of Terms

Construction—Is composed of three broad categories:

1. **New construction**—Includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators, and plumbing, heating, and air-conditioning supplies and equipment.
2. **Additions, alterations or reconstruction**—Includes construction activity making structural changes to existing facilities. Generally, this type of activity is considered a capital investment in the property.
3. **Maintenance and repair**—Includes construction done for the purpose of upkeep of property rather than additional investment in the property.

Examples of the general distinction between maintenance and repair and reconstruction are provided here: roof repairs, including the replacement of shingles, gutters, etc., are classified under maintenance and repairs. A complete reroofing, however, is classified as reconstruction.

Number of establishments in business during year—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

Proprietors and working partners—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners.

All employees—Comprise all full-time and part-time employees on the payrolls of construction establishments, who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are not.

All employees is the sum of all employees during the pay periods including the 12th of March, May, August, and November, divided by 4.

Construction workers—Includes all workers up through the working foreman level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working foreman level are excluded from this category but are included in the "other employees" category.

Other employees—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working foreman level.

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1987.

Payroll—Includes the gross earnings paid in the calendar year 1987 to all employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Employer costs for fringe benefits (supplemental labor costs)—Represents expenditures made by the employer during 1987 for legally required and voluntary fringe benefit programs for employees.

Legally required contributions—Include Social Security contributions, unemployment compensation, workman's compensation, and State temporary disability payments.

Voluntary payments—Include life insurance premiums, pension plans, insurance premiums on hospital and medical plans, welfare plans, and union negotiated benefits.

Dollar value of business done comprises the following detail:

Value of construction work done—Includes all value of construction work done during 1987 for construction work performed by general contractors, special trades contractors, subcontractors, and land development and improvement work. Included is new construction, additions and alterations or reconstruction, and maintenance and repair construction work. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include the value of buildings and other structures built or being built for sale in 1987 but not sold. They were to include the costs of such construction plus normal profit. Also included is the cost of construction work done on buildings for rent or lease.

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies, elevators or escalators, etc., were instructed to include both the value for the installation and the receipts covering the price of the items installed.

Excluded was the cost of industrial and other specialized machinery and equipment which are not an integral part of a structure.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in the value of construction work done.)

Other business receipts—Includes business receipts not reported as value of construction work done or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

Excluded was the value of construction work done and receipts from other business operations in foreign countries and non-operating income such as interest and dividends.

Net value of construction work—Derived for each establishment by subtracting the costs for construction work subcontracted to others from the value of construction work done. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to dollar value of business done, less costs for construction work subcontracted to others, and costs for materials, components, supplies and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, land receipts are also subtracted from dollar value of business done. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Selected costs—Represents the costs for materials, components, and supplies; costs for construction work subcontracted to others; and costs for selected power, fuels, and lubricants. Capital expenditures and rental costs for machinery, equipment, and structures are shown elsewhere.

Costs for materials, components, and supplies include:

- total costs to reporting establishments during 1987 for the purchase of all materials, components, and supplies, except fuels. (Supplies include expendable tools which are charged to current accounts.)
- freight and other direct charges should represent only amount paid after discounts, and the value of materials, components, and supplies obtained from other establishments of the respondent's company.
- costs for materials, components, and supplies used by the reporting establishments in the construction or reconstruction of buildings/structures for themselves which are chargeable to their fixed assets accounts, are included in this item as are costs for materials bought and resold to others.
- costs made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Excluded from this item are:

- industrial and other specialized machinery and equipment, such as printing presses; computer systems; etc., which are not an integral part of a structure
- materials furnished to contractors by the owners of projects.

Costs for construction work subcontracted to others include:

- all costs during 1987 for construction work subcontracted out to other construction contractors.

Excluded from this item are:

- The costs to the reporting establishment for its purchases of materials, components, and supplies, provided to a subcontractor for his use. Such costs are reported under a separate category, "costs for materials, components, and supplies."
- costs for the rental of machinery or equipment.

Costs for selected power, fuels, and lubricants include:

- costs for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the company.
- costs for natural and manufactured gas, fuel oil, coal and coke products, etc.

Rental costs for machinery, equipment, and buildings—Includes all costs during 1987 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It

excludes costs for the rental of land. It also excludes costs under agreements which, in effect, are conditional sales contracts such as capital leases. Such costs are included in "capital expenditures."

Selected purchased services—Includes all costs during 1987 for communication services purchased from other companies or from other establishments of the company. It also includes the cost of all repairs made to structures and equipment by outside companies, or from other establishments of the same company. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increase the value of property, or the cost of adapting it for another use. Such costs are included in "capital expenditures".

Assets and depreciation—Refers to the original cost of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on assets and depreciation were collected separately for: (1) buildings and other structures, additions, and related facilities; and, (2) machinery and equipment.

Respondents were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1987.

Capital expenditures—Refers to all costs actually incurred during 1987 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment.

If leasing arrangements met the criteria set down by the Financial Accounting Standards Board (FASB) for a capital lease, respondents were instructed to report the original cost or market value of that equipment or building as a fixed asset and capital expenditure if acquired during 1987.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

Inventories—Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials which are owned by others, but held by the reporting establishment.

Builders who built on their own account for sale were requested to report work in progress and finished units not sold for buildings and other structures built for sale.

Inventories of multi-establishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

Ownership of construction projects—This item shows the distribution of the value of construction work done by ownership of the project, that is, Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken during the construction phase. Government owned projects are shown separately for Federal, and State and local governments.

Value of construction work subcontracted in from others—Includes the value of construction work during 1987 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total value of construction work accounted for by such work, and the percentages reported were applied to the reported value of construction work to develop a value for this item.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1987. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. If respondents worked on more than one type of building or structure in a multibuilding complex, they were instructed to report separately for each building or type of structure. If they worked on a building that had more than one purpose, i.e, office and residential, or commercial, they were to classify the building by major purpose.

In addition all respondents were requested to report the percentage of the value of construction work done for new construction, additions, alterations, or reconstruction, and maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of these terms.

Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (include townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken wall from ground to roof.
- **Apartment buildings with two or more apartments**--Includes high-rise, low-rise, or any structures containing two or more housing units (excluding attached single-family houses and townhouses described above).
- **Hotels and motels**—Includes hotels, motels, and tourist cabins intended for transient accommodations.

- **Other residential buildings**—Includes dormitories, fraternity and sorority houses, nurses homes, and other nonhousekeeping residential structures.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices. Also included are banks or financial buildings which are three stories or more.
- **Other commercial buildings, such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, shopping centers, department stores, drug stores, restaurants, public garages, auto service stations, and one or two story bank or financial institutions.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are not included in this category, but under nonbuilding construction.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, mini-warehouses, and other such storage buildings.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.
- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums, and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes nonresidential buildings which are not classified elsewhere, such as fire stations, prisons, civic centers, bus and air passenger terminals and hangars.

Nonbuilding construction:

- **Highways, streets and related work, such as installation of guardrails, highway signs, etc.**—Includes streets, roads, alleys, sidewalks, curbs and gutters, culverts, right-of-way drainage, erosion control and lighting. Also includes earthwork protective structures when used in connection with road improvements.
- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Recreational facilities**—Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
- **Bridges and elevated highways**—Includes viaducts and overpasses; roads, highways, railroads, and causeways built on structural supports.
- **Tunnels**—Includes highway, pedestrian, and railroad tunnels.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.
- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, levees, and flood control projects.
- **Power and communication transmission lines, towers, and related facilities**—Includes electric power lines, telephone and telegraph lines, fiber optic cables, cable television lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants, and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers, and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.

- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

APPENDIX B.

Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles
15	**BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS**
152	**General Building Contractors—Residential Buildings**
1521	General Contractors—Single-Family Houses
1522	General Contractors—Residential Buildings, Other Than Single-Family
153	**Operative Builders**
1531	Operative Builders
154	**General Building Contractors—Nonresidential Buildings**
1541	General Contractors—Industrial Buildings and Warehouses
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses
16	**HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS**
161	**Highway and Street Construction, Except Elevated Highways**
1611	Highway and Street Construction Contractors, Except Elevated Highways
162	**Heavy Construction, Except Highway and Street Construction**
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors
1623	Water, Sewer, Pipeline, and Communications and Powerline Construction
1629	Heavy Construction, Not Elsewhere Classified
17	**CONSTRUCTION—SPECIAL TRADE CONTRACTORS**
171	**Plumbing, Heating, and Air-Conditioning Special Trade Contractors**
1711	Plumbing, Heating, and Air-Conditioning Special Trade Contractors
172	**Painting and Paper Hanging Special Trade Contractors**
1721	Painting and Paper Hanging Special Trade Contractors

SIC code	Industry titles
17	**CONSTRUCTION—SPECIAL TRADE CONTRACTORS**—Con.
173	**Electrical Work Special Trade Contractors**
1731	Electrical Work Special Trade Contractors
174	**Masonry, Stone Work Tile Setting, and Plastering Special Trade Contractors**
1741	Masonry, Stone Setting, and Other Stone Work Special Trade Contractors
1742	Plastering, Drywall, Acoustical, and Insulation Work Special Trade Contractors
1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
175	**Carpentry and Floor Work Special Trade Contractors**
1751	Carpentry Work Special Trade Contractors
1752	Floor Laying and Other Floor Work Special Trade Contractors, Not Elsewhere Classified
176	**Roofing, Siding, and Sheet Metal Work Special Trade Contractors**
1761	Roofing, Siding, and Sheet Metal Work Special Trade Contractors
177	**Concrete Work Special Trade Contractors**
1771	Concrete Work Special Trade Contractors
178	**Water Well Drilling Special Trade Contractors**
1781	Water Well Drilling Special Trade Contractors
179	**Miscellaneous Special Trade Contractors**
1791	Structural Steel Erection Special Trade Contractors
1793	Glass and Glazing Work Special Trade Contractors
1794	Excavation Work Special Trade Contractors
1795	Wrecking and Demolition Work Special Trade Contractors
1796	Installation or Erection of Building Equipment, Special Trade Contractors, Not Elsewhere Classified
1799	Special Trade Contractors, Not Elsewhere Classified
6552	**LAND SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES**

APPENDIX C.
Regions, Census Divisions, and States

NORTHEAST

New England States

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Middle Atlantic States

New Jersey
New York
Pennsylvania

MIDWEST

East North Central States

Illinois
Indiana
Michigan
Ohio
Wisconsin

West North Central States

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

SOUTH

South Atlantic States

Delaware
District of Columbia
Florida
Georgia
Maryland

South Atlantic States—Con.

North Carolina
South Carolina
Virginia
West Virginia

East South Central States

Alabama
Kentucky
Mississippi
Tennessee

West South Central States

Arkansas
Louisiana
Oklahoma
Texas

WEST

Mountain States

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

Pacific States

Alaska
California
Hawaii
Oregon
Washington

APPENDIX D.
Metropolitan Statistical Areas

[Titles and definitions shown for MSA's, PMSA's, and CMSA's are those established by the Office of Management and Budget, as of June 30, 1987]

Abilene, TX MSA
- Taylor County, TX

Akron, OH PMSA—see Cleveland-Akron-Lorain, OH CMSA

Albany, GA MSA
- Dougherty County, GA
- Lee County, GA

Albany-Schenectady-Troy, NY MSA
- Albany County, NY
- Greene County, NY
- Montgomery County, NY
- Rensselaer County, NY
- Saratoga County, NY
- Schenectady County, NY

Albuquerque, NM MSA
- Bernalillo County, NM

Alexandria, LA MSA
- Rapides Parish, LA

Allentown-Bethlehem, PA-NJ MSA
- Warren County, NJ
- Carbon County, PA
- Lehigh County, PA
- Northampton County, PA

Altoona, PA MSA
- Blair County, PA

Amarillo, TX MSA
- Potter County, TX
- Randall County, TX

Anaheim-Santa Ana, CA PMSA—see Los Angeles-Anaheim-Riverside, CA CMSA

Anchorage, AK MSA
- Anchorage Borough, AK

Anderson, IN MSA
- Madison County, IN

Anderson, SC MSA
- Anderson County, SC

Ann Arbor, MI PMSA—see Detroit-Ann Arbor, MI CMSA

Anniston, AL MSA
- Calhoun County, AL

Appleton-Oshkosh-Neenah, WI MSA
- Calumet County, WI
- Outagamie County, WI
- Winnebago County, WI

Asheville, NC MSA
- Buncombe County, NC

Athens, GA MSA
- Clarke County, GA
- Jackson County, GA
- Madison County, GA
- Oconee County, GA

Atlanta, GA MSA
- Barrow County, GA
- Butts County, GA
- Cherokee County, GA
- Clayton County, GA
- Cobb County, GA
- Coweta County, GA
- De Kalb County, GA
- Douglas County, GA

Atlanta, GA MSA—Con.
- Fayette County, GA
- Forsyth County, GA
- Fulton County, GA
- Gwinnett County, GA
- Henry County, GA
- Newton County, GA
- Paulding County, GA
- Rockdale County, GA
- Spalding County, GA
- Walton County, GA

Atlantic City, NJ MSA
- Atlantic County, NJ
- Cape May County, NJ

Augusta, GA-SC MSA
- Columbia County, GA
- McDuffie County, GA
- Richmond County, GA
- Aiken County, SC

Aurora-Elgin, IL PMSA—see Chicago-Gary-Lake County, IL-IN-WI CMSA

Austin, TX MSA
- Hays County, TX
- Travis County, TX
- Williamson County, TX

Bakersfield, CA MSA
- Kern County, CA

Baltimore, MD MSA
- Anne Arundel County, MD
- Baltimore County, MD
- Carroll County, MD
- Harford County, MD
- Howard County, MD
- Queen Anne's County, MD
- Baltimore city, MD

Bangor, ME MSA
- Penobscot County, ME (part)
  - Bangor city, ME
  - Brewer city, ME
  - Eddington town, ME
  - Glenburn town, ME
  - Hampden town, ME
  - Hermon town, ME
  - Holden town, ME
  - Kenduskeag town, ME
  - Old Town city, ME
  - Orono town, ME
  - Orrington town, ME
  - Penobscot Indian Island Indian Reservation, ME
  - Veazie town, ME
- Waldo County, ME (part)
  - Winterport town, ME

Baton Rouge, LA MSA
- Ascension Parish, LA
- East Baton Rouge Parish, LA
- Livingston Parish, LA
- West Baton Rouge Parish, LA

Battle Creek, MI MSA
- Calhoun County, MI

Beaumont-Port Arthur, TX MSA
- Hardin County, TX
- Jefferson County, TX
- Orange County, TX

Beaver County, PA PMSA—see Pittsburgh-Beaver Valley, PA CMSA

Bellingham, WA MSA
- Whatcom County, WA

Benton Harbor, MI MSA
- Berrien County, MI

Bergen-Passaic, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

Billings, MT MSA
- Yellowstone County, MT

Biloxi-Gulfport, MS MSA
- Hancock County, MS
- Harrison County, MS

Binghamton, NY MSA
- Broome County, NY
- Tioga County, NY

Birmingham, AL MSA
- Blount County, AL
- Jefferson County, AL
- St. Clair County, AL
- Shelby County, AL
- Walker County, AL

Bismarck, ND MSA
- Burleigh County, ND
- Morton County, ND

Bloomington, IN MSA
- Monroe County, IN

Bloomington-Normal, IL MSA
- McLean County, IL

Boise City, ID MSA
- Ada County, ID

Boston, MA PMSA—see Boston-Lawrence-Salem, MA-NH CMSA

Boston-Lawrence-Salem, MA-NH CMSA
- Boston, MA PMSA
  - Bristol County, MA (part)
    - Mansfield town, MA
    - Norton town, MA
    - Raynham town, MA
  - Essex County, MA (part)
    - Lynn city, MA
    - Lynnfield town, MA
    - Nahant town, MA
    - Saugus town, MA
  - Middlesex County, MA (part)
    - Acton town, MA
    - Arlington town, MA
    - Ashland town, MA
    - Ayer town, MA
    - Bedford town, MA
    - Belmont town, MA
    - Boxborough town, MA
    - Burlington town, MA
    - Cambridge city, MA
    - Carlisle town, MA
    - Concord town, MA

Boston-Lawrence-Salem, MA-NH CMSA—Con.
Boston, MA PMSA—Con.
Middlesex County, MA (part)—Con.
Everett city, MA
Framingham town, MA
Groton town, MA
Holliston town, MA
Hopkinton town, MA
Hudson town, MA
Lexington town, MA
Lincoln town, MA
Littleton town, MA
Malden city, MA
Marlborough city, MA
Maynard town, MA
Medford city, MA
Melrose city, MA
Natick town, MA
Newton city, MA
North Reading town, MA
Reading town, MA
Sherborn town, MA
Shirley town, MA
Somerville city, MA
Stoneham town, MA
Stow town, MA
Sudbury town, MA
Townsend town, MA
Wakefield town, MA
Waltham city, MA
Watertown town, MA
Wayland town, MA
Weston town, MA
Wilmington town, MA
Winchester town, MA
Woburn city, MA
Norfolk County, MA (part)
Bellingham town, MA
Braintree town, MA
Brookline town, MA
Canton town, MA
Cohasset town, MA
Dedham town, MA
Dover town, MA
Foxborough town, MA
Franklin town, MA
Holbrook town, MA
Medfield town, MA
Medway town, MA
Millis town, MA
Milton town, MA
Needham town, MA
Norfolk town, MA
Norwood town, MA
Quincy city, MA
Randolph town, MA
Sharon town, MA
Stoughton town, MA
Walpole town, MA
Wellesley town, MA
Westwood town, MA
Weymouth town, MA
Wrentham town, MA
Plymouth County, MA (part)
Carver town, MA
Duxbury town, MA
Hanover town, MA
Hanson town, MA
Hingham town, MA
Hull town, MA

Boston-Lawrence-Salem, MA-NH CMSA—Con.
Boston, MA PMSA—Con.
Plymouth County, MA (part)—Con.
Kingston town, MA
Lakeville town, MA
Marshfield town, MA
Middleborough town, MA
Norwell town, MA
Pembroke town, MA
Plymouth town, MA
Plympton town, MA
Rockland town, MA
Scituate town, MA
Suffolk County, MA (part)
Boston city, MA
Chelsea city, MA
Revere city, MA
Winthrop town, MA
Worcester County, MA (part)
Berlin town, MA
Bolton town, MA
Harvard town, MA
Hopedale town, MA
Lancaster town, MA
Mendon town, MA
Milford town, MA
Southborough town, MA
Upton town, MA
Brockton, MA PMSA
Bristol County, MA (part)
Easton town, MA
Norfolk County, MA (part)
Avon town, MA
Plymouth County, MA (part)
Abington town, MA
Bridgewater town, MA
Brockton city, MA
East Bridgewater town, MA
Halifax town, MA
West Bridgewater town, MA
Whitman town, MA
Lawrence-Haverhill, MA-NH PMSA
Essex County, MA (part)
Amesbury town, MA
Andover town, MA
Boxford town, MA
Georgetown town, MA
Groveland town, MA
Haverhill city, MA
Lawrence city, MA
Merrimac town, MA
Methuen town, MA
Newbury town, MA
Newburyport city, MA
North Andover town, MA
Salisbury town, MA
West Newbury town, MA
Rockingham County, NH (part)
Atkinson town, NH
Brentwood town, NH
Danville town, NH
Derry town, NH
East Kingston town, NH
Hampstead town, NH
Kingston town, NH
Newton town, NH
Plaistow town, NH
Salem town, NH
Sandown town, NH
Seabrook town, NH
Windham town, NH

Boston-Lawrence-Salem, MA-NH CMSA—Con.
Lowell, MA-NH PMSA
Middlesex County, MA (part)
Billerica town, MA
Chelmsford town, MA
Dracut town, MA
Dunstable town, MA
Lowell city, MA
Pepperell town, MA
Tewksbury town, MA
Tyngsborough town, MA
Westford town, MA
Hillsborough County, NH (part)
Pelham town, NH
Nashua, NH PMSA
Hillsborough County, NH (part)
Amherst town, NH
Brookline town, NH
Hollis town, NH
Hudson town, NH
Litchfield town, NH
Merrimack town, NH
Milford town, NH
Mont Vernon town, NH
Nashua city, NH
Wilton town, NH
Rockingham County, NH (part)
Londonderry town, NH
Salem-Gloucester, MA PMSA
Essex County, MA (part)
Beverly city, MA
Danvers town, MA
Essex town, MA
Gloucester city, MA
Hamilton town, MA
Ipswich town, MA
Manchester town, MA
Marblehead town, MA
Middleton town, MA
Peabody city, MA
Rockport town, MA
Rowley town, MA
Salem city, MA
Swampscott town, MA
Topsfield town, MA
Wenham town, MA

Boulder-Longmont, CO PMSA—see Denver-Boulder, CO CMSA

Bradenton, FL MSA
Manatee County, FL

Brazoria, TX PMSA—see Houston-Galveston-Brazoria, TX CMSA

Bremerton, WA MSA
Kitsap County, WA

Bridgeport-Milford, CT PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

Bristol, CT PMSA—see Hartford-New Britain-Middletown, CT CMSA

Brockton, MA PMSA—see Boston-Lawrence-Salem, MA-NH CMSA

Brownsville-Harlingen, TX MSA
Cameron County, TX

Bryan-College Station, TX MSA
Brazos County, TX

Buffalo, NY PMSA—see Buffalo-Niagara Falls, NY CMSA

Buffalo-Niagara Falls, NY CMSA
Buffalo, NY PMSA
Erie County, NY
Niagara Falls, NY PMSA
Niagara County, NY
Burlington, NC MSA
Alamance County, NC
Burlington, VT MSA
Chittenden County, VT (part)
Burlington city, VT
Charlotte town, VT
Colchester town, VT
Essex Junction village, VT
Essex town balance, VT
Hinesburg town, VT
Jericho town, VT
Jericho village, VT
Milton town, VT
Milton village, VT
Richmond town, VT
Richmond village, VT
St. George town, VT
Shelburne town, VT
South Burlington city, VT
Williston town, VT
Winooski city, VT
Franklin County, VT (part)
Georgia town, VT
Grand Isle town, VT
South Hero town, VT
Canton, OH MSA
Carroll County, OH
Stark County, OH
Casper, WY MSA
Natrona County, WY
Cedar Rapids, IA MSA
Linn County, IA
Champaign-Urbana-Rantoul, IL MSA
Champaign County, IL
Charleston, SC MSA
Berkeley County, SC
Charleston County, SC
Dorchester County, SC
Charleston, WV MSA
Kanawha County, WV
Putnam County, WV
Charlotte-Gastonia-Rock Hill, NC-SC MSA
Cabarrus County, NC
Gaston County, NC
Lincoln County, NC
Mecklenburg County, NC
Rowan County, NC
Union County, NC
York County, SC
Charlottesville, VA MSA
Albemarle County, VA
Fluvanna County, VA
Greene County, VA
Charlottesville city, VA
Chattanooga, TN-GA MSA
Catoosa County, GA
Dade County, GA
Walker County, GA
Hamilton County, TN
Marion County, TN
Sequatchie County, TN
Cheyenne, WY MSA
Laramie County, WY
Chicago, IL PMSA—see Chicago-Gary-Lake County, IL-IN-WI CMSA
Chicago-Gary-Lake County, IL-IN-WI CMSA
Aurora-Elgin, IL PMSA
Kane County, IL
Kendall County, IL
Chicago, IL PMSA
Cook County, IL
Du Page County, IL
McHenry County, IL
Gary-Hammond, IN PMSA
Lake County, IN
Porter County, IN
Joliet, IL PMSA
Grundy County, IL
Will County, IL
Kenosha, WI PMSA
Kenosha County, WI
Lake County, IL PMSA
Lake County, IL
Chico, CA MSA
Butte County, CA
Cincinnati, OH-KY-IN PMSA—see Cincinnati-Hamilton, OH-KY-IN CMSA
Cincinnati-Hamilton, OH-KY-IN CMSA
Cincinnati, OH-KY-IN PMSA
Dearborn County, IN
Boone County, KY
Campbell County, KY
Kenton County, KY
Clermont County, OH
Hamilton County, OH
Warren County, OH
Hamilton-Middletown, OH PMSA
Butler County, OH
Clarksville-Hopkinsville, TN-KY MSA
Christian County, KY
Montgomery County, TN
Cleveland, OH PMSA—see Cleveland-Akron-Lorain, OH CMSA
Cleveland-Akron-Lorain, OH CMSA
Akron, OH PMSA
Portage County, OH
Summit County, OH
Cleveland, OH PMSA
Cuyahoga County, OH
Geauga County, OH
Lake County, OH
Medina County, OH
Lorain-Elyria, OH PMSA
Lorain County, OH
Colorado Springs, CO MSA
El Paso County, CO
Columbia, MO MSA
Boone County, MO
Columbia, SC MSA
Lexington County, SC
Richland County, SC
Columbus, GA-AL MSA
Russell County, AL
Chattahoochee County, GA
Muscogee County, GA
Columbus, OH MSA
Delaware County, OH
Fairfield County, OH
Franklin County, OH
Licking County, OH
Madison County, OH
Pickaway County, OH
Union County, OH
Corpus Christi, TX MSA
Nueces County, TX
San Patricio County, TX
Cumberland, MD-WV MSA
Allegany County, MD
Mineral County, WV
Dallas, TX PMSA—see Dallas-Fort Worth, TX CMSA
Dallas-Fort Worth, TX CMSA
Dallas, TX PMSA
Collin County, TX
Dallas County, TX
Denton County, TX
Ellis County, TX
Kaufman County, TX
Rockwall County, TX
Fort Worth-Arlington, TX PMSA
Johnson County, TX
Parker County, TX
Tarrant County, TX
Danbury, CT PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Danville, VA MSA
Pittsylvania County, VA
Danville city, VA
Davenport-Rock Island-Moline, IA-IL MSA
Henry County, IL
Rock Island County, IL
Scott County, IA
Dayton-Springfield, OH MSA
Clark County, OH
Greene County, OH
Miami County, OH
Montgomery County, OH
Daytona Beach, FL MSA
Volusia County, FL
Decatur, IL MSA
Macon County, IL
Denver, CO PMSA—see Denver-Boulder, CO CMSA
Denver-Boulder, CO CMSA
Boulder-Longmont, CO PMSA
Boulder County, CO
Denver, CO PMSA
Adams County, CO
Arapahoe County, CO
Denver County, CO
Douglas County, CO
Jefferson County, CO
Des Moines, IA MSA
Dallas County, IA
Polk County, IA
Warren County, IA
Detroit, MI PMSA—see Detroit-Ann Arbor, MI CMSA
Detroit-Ann Arbor, MI CMSA
Ann Arbor, MI PMSA
Washtenaw County, MI
Detroit, MI PMSA
Lapeer County, MI
Livingston County, MI
Macomb County, MI
Monroe County, MI
Oakland County, MI
St. Clair County, MI
Wayne County, MI
Dothan, AL MSA
Dale County, AL
Houston County, AL
Dubuque, IA MSA
Dubuque County, IA

Duluth, MN-WI MSA
St. Louis County, MN
Douglas County, WI
Eau Claire, WI MSA
Chippewa County, WI
Eau Claire County, WI
El Paso, TX MSA
El Paso County, TX
Elkhart-Goshen, IN MSA
Elkhart County, IN
Elmira, NY MSA
Chemung County, NY
Enid, OK MSA
Garfield County, OK
Erie, PA MSA
Erie County, PA
Eugene-Springfield, OR MSA
Lane County, OR
Evansville, IN-KY MSA
Posey County, IN
Vanderburgh County, IN
Warrick County, IN
Henderson County, KY
Fall River, MA-RI PMSA—see Providence-Pawtucket-Fall River, RI-MA CMSA
Fargo-Moorhead, ND-MN MSA
Clay County, MN
Cass County, ND
Fayetteville, NC MSA
Cumberland County, NC
Fayetteville-Springdale, AR MSA
Washington County, AR
Fitchburg-Leominster, MA MSA
Middlesex County, MA (part)
Ashby town, MA
Worcester County, MA (part)
Ashburnham town, MA
Fitchburg city, MA
Leominster city, MA
Lunenburg town, MA
Westminster town, MA
Flint, MI MSA
Genesee County, MI
Florence, AL MSA
Colbert County, AL
Lauderdale County, AL
Florence, SC MSA
Florence County, SC
Fort Collins-Loveland, CO MSA
Larimer County, CO
Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA—see Miami-Fort Lauderdale, FL CMSA
Fort Myers-Cape Coral, FI MSA
Lee County, FL
Fort Pierce, FL MSA
Martin County, FL
St. Lucie County, FL
Fort Smith, AR-OK MSA
Crawford County, AR
Sebastian County, AR
Sequoyah County, OK
Fort Walton Beach, FL MSA
Okaloosa County, FL
Fort Wayne, IN MSA
Allen County, IN
De Kalb County, IN
Whitley County, IN
Fort Worth-Arlington, TX PMSA—see Dallas-Fort Worth, TX CMSA
Fresno, CA MSA
Fresno County, CA
Gadsden, AL MSA
Etowah County, AL
Gainesville, FL MSA
Alachua County, FL
Bradford County, FL
Galveston-Texas City, TX PMSA—see Houston-Galveston-Brazoria, TX CMSA
Gary-Hammond, IN PMSA—see Chicago-Gary-Lake County, IL-IN-WI CMSA
Glens Falls, NY MSA
Warren County, NY
Washington County, NY
Grand Forks, ND MSA
Grand Forks County, ND
Grand Rapids, MI MSA
Kent County, MI
Ottawa County, MI
Great Falls, MT MSA
Cascade County, MT
Greeley, CO MSA
Weld County, CO
Green Bay, WI MSA
Brown County, WI
Greensboro–Winston-Salem–High Point, NC MSA
Davidson County, NC
Davie County, NC
Forsyth County, NC
Guilford County, NC
Randolph County, NC
Stokes County, NC
Yadkin County, NC
Greenville-Spartanburg, SC MSA
Greenville County, SC
Pickens County, SC
Spartanburg County, SC
Hagerstown, MD MSA
Washington County, MD
Hamilton-Middletown, OH PMSA—see Cincinnati-Hamilton, OH-KY-IN CMSA
Harrisburg-Lebanon-Carlisle, PA MSA
Cumberland County, PA
Dauphin County, PA
Lebanon County, PA
Perry County, PA
Hartford, CT PMSA—see Hartford-New Britain-Middletown, CT CMSA
Hartford-New Britain-Middletown, CT CMSA
Bristol, CT PMSA
Hartford County, CT (part)
Bristol city, CT
Burlington town, CT
Litchfield County, CT (part)
Plymouth town, CT
Hartford, CT PMSA
Hartford County, CT (part)
Avon town, CT
Bloomfield town, CT
Canton town, CT
East Granby town, CT
East Hartford town, CT
East Windsor town, CT
Enfield town, CT
Farmington town, CT
Glastonbury town, CT
Granby town, CT
Hartford city, CT
Manchester town, CT
Marlborough town, CT
Hartford-New Britain-Middletown, CT CMSA—Con.
Hartford, CT PMSA—Con.
Hartford County, CT (part)—Con.
Newington town, CT
Rocky Hill town, CT
Simsbury town, CT
South Windsor town, CT
Suffield town, CT
West Hartford town, CT
Wethersfield town, CT
Windsor Locks town, CT
Windsor town, CT
Litchfield County, CT (part)
Barkhamsted town, CT
New Hartford town, CT
East Haddam town, CT
New London County, CT (part)
Colchester borough, CT
Colchester town balance, CT
Tolland County, CT (part)
Andover town, CT
Bolton town, CT
Columbia town, CT
Coventry town, CT
Ellington town, CT
Hebron town, CT
Somers town, CT
Stafford Springs borough, CT
Stafford town balance, CT
Tolland town, CT
Vernon town, CT
Willington town, CT
Middletown, CT PMSA
Middlesex County, CT (part)
Cromwell town, CT
Durham town, CT
East Hampton town, CT
Haddam town, CT
Middlefield town, CT
Middletown city, CT
Portland town, CT
New Britain, CT PMSA
Hartford County, CT (part)
Berlin town, CT
New Britain city, CT
Plainville town, CT
Southington town, CT
Hickory, NC MSA
Alexander County, NC
Burke County, NC
Catawba County, NC
Honolulu, HI MSA
Honolulu County, HI
Houma-Thibodaux, LA MSA
Lafourche Parish, LA
Terrebonne Parish, LA
Houston, TX PMSA—see Houston-Galveston-Brazoria, TX CMSA
Houston-Galveston-Brazoria, TX CMSA
Brazoria, TX PMSA
Brazoria County, TX
Galveston-Texas City, TX PMSA
Galveston County, TX
Houston, TX PMSA
Fort Bend County, TX
Harris County, TX
Liberty County, TX
Montgomery County, TX
Waller County, TX

Huntington-Ashland, WV-KY-OH MSA
- Boyd County, KY
- Carter County, KY
- Greenup County, KY
- Lawrence County, OH
- Cabell County, WV
- Wayne County, WV

Huntsville, AL MSA
- Madison County, AL

Indianapolis, IN MSA
- Boone County, IN
- Hamilton County, IN
- Hancock County, IN
- Hendricks County, IN
- Johnson County, IN
- Marion County, IN
- Morgan County, IN
- Shelby County, IN

Iowa City, IA MSA
- Johnson County, IA

Jackson, MI MSA
- Jackson County, MI

Jackson, MS MSA
- Hinds County, MS
- Madison County, MS
- Rankin County, MS

Jackson, TN MSA
- Madison County, TN

Jacksonville, FL MSA
- Clay County, FL
- Duval County, FL
- Nassau County, FL
- St. Johns County, FL

Jacksonville, NC MSA
- Onslow County, NC

Janesville-Beloit, WI MSA
- Rock County, WI

Jersey City, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

Johnson City-Kingsport-Bristol, TN-VA MSA
- Carter County, TN
- Hawkins County, TN
- Sullivan County, TN
- Unicoi County, TN
- Washington County, TN
- Scott County, VA
- Washington County, VA
- Bristol city, VA

Johnstown, PA MSA
- Cambria County, PA
- Somerset County, PA

Joliet, IL PMSA—see Chicago-Gary-Lake County, IL-IN-WI CMSA

Joplin, MO MSA
- Jasper County, MO
- Newton County, MO

Kalamazoo, MI MSA
- Kalamazoo County, MI

Kankakee, IL MSA
- Kankakee County, IL

Kansas City, MO-KS MSA
- Johnson County, KS
- Leavenworth County, KS
- Miami County, KS
- Wyandotte County, KS
- Cass County, MO
- Clay County, MO
- Jackson County, MO
- Lafayette County, MO
- Platte County, MO
- Ray County, MO

Kenosha, WI PMSA—see Chicago-Gary-Lake County, IL-IN-WI CMSA

Killeen-Temple, TX MSA
- Bell County, TX
- Coryell County, TX

Knoxville, TN MSA
- Anderson County, TN
- Blount County, TN
- Grainger County, TN
- Jefferson County, TN
- Knox County, TN
- Sevier County, TN
- Union County, TN

Kokomo, IN MSA
- Howard County, IN
- Tipton County, IN

La Crosse, WI MSA
- La Crosse County, WI

Lafayette, LA MSA
- Lafayette Parish, LA
- St. Martin Parish, LA

Lafayette-West Lafayette, IN MSA
- Tippecanoe County, IN

Lake Charles, LA MSA
- Calcasieu Parish, LA

Lake County, IL PMSA—see Chicago-Gary-Lake County, IL-IN-WI CMSA

Lakeland-Winter Haven, FL MSA
- Polk County, FL

Lancaster, PA MSA
- Lancaster County, PA

Lansing-East Lansing, MI MSA
- Clinton County, MI
- Eaton County, MI
- Ingham County, MI

Laredo, TX MSA
- Webb County, TX

Las Cruces, NM MSA
- Dona Ana County, NM

Las Vegas, NV MSA
- Clark County, NV

Lawrence, KS MSA
- Douglas County, KS

Lawrence-Haverhill, MA-NH PMSA—see Boston-Lawrence-Salem, MA-NH CMSA

Lawton, OK MSA
- Comanche County, OK

Lewiston-Auburn, ME MSA
- Androscoggin County, ME (part)
  - Auburn city, ME
  - Greene town, ME
  - Lewiston city, ME
  - Lisbon town, ME
  - Mechanic Falls town, ME
  - Poland town, ME
  - Sabattus town, ME

Lexington-Fayette, KY MSA
- Bourbon County, KY
- Clark County, KY
- Fayette County, KY
- Jessamine County, KY
- Scott County, KY
- Woodford County, KY

Lima, OH MSA
- Allen County, OH
- Auglaize County, OH

Lincoln, NE MSA
- Lancaster County, NE

Little Rock-North Little Rock, AR MSA
- Faulkner County, AR
- Lonoke County, AR
- Pulaski County, AR
- Saline County, AR

Longview-Marshall, TX MSA
- Gregg County, TX
- Harrison County, TX

Lorain-Elyria, OH PMSA—see Cleveland-Akron-Lorain, OH CMSA

Los Angeles-Anaheim-Riverside, CA CMSA
- Anaheim-Santa Ana, CA PMSA
  - Orange County, CA
- Los Angeles-Long Beach, CA PMSA
  - Los Angeles County, CA
- Oxnard-Ventura, CA PMSA
  - Ventura County, CA
- Riverside-San Bernardino, CA PMSA
  - Riverside County, CA
  - San Bernardino County, CA

Los Angeles-Long Beach, CA PMSA—see Los Angeles-Anaheim-Riverside, CA CMSA

Louisville, KY-IN MSA
- Clark County, IN
- Floyd County, IN
- Harrison County, IN
- Bullitt County, KY
- Jefferson County, KY
- Oldham County, KY
- Shelby County, KY

Lowell, MA-NH PMSA—see Boston-Lawrence-Salem, MA-NH CMSA

Lubbock, TX MSA
- Lubbock County, TX

Lynchburg, VA MSA
- Amherst County, VA
- Campbell County, VA
- Lynchburg city, VA

Macon-Warner Robins, GA MSA
- Bibb County, GA
- Houston County, GA
- Jones County, GA
- Peach County, GA

Madison, WI MSA
- Dane County, WI

Manchester, NH MSA
- Hillsborough County, NH (part)
  - Bedford town, NH
  - Goffstown town, NH
  - Manchester city, NH
- Merrimack County, NH (part)
  - Allenstown town, NH
  - Hooksett town, NH
  - Auburn town, NH
  - Candia town, NH

Mansfield, OH MSA
- Richland County, OH

McAllen-Edinburg-Mission, TX MSA
- Hidalgo County, TX

Medford, OR MSA
- Jackson County, OR

Melbourne-Titusville-Palm Bay, FL MSA
- Brevard County, FL

Memphis, TN-AR-MS MSA
- Crittenden County, AR
- De Soto County, MS
- Shelby County, TN
- Tipton County, TN

Merced, CA MSA
- Merced County, CA

Miami-Fort Lauderdale, FL CMSA
- Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA
  - Broward County, FL
- Miami-Hialeah, FL PMSA
  - Dade County, FL

Miami-Hialeah, FL PMSA—see Miami-Fort Lauderdale, FL CMSA
Middlesex-Somerset-Hunterdon, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Middletown, CT PMSA—see Hartford-New Britain-Middletown, CT CMSA
Midland, TX MSA
Midland County, TX
Milwaukee, WI PMSA—see Milwaukee-Racine, WI CMSA
Milwaukee-Racine, WI CMSA
Milwaukee, WI PMSA
Milwaukee County, WI
Ozaukee County, WI
Washington County, WI
Waukesha County, WI
Racine, WI PMSA
Racine County, WI
Minneapolis-St. Paul, MN-WI MSA
Anoka County, MN
Carver County, MN
Chisago County, MN
Dakota County, MN
Hennepin County, MN
Isanti County, MN
Ramsey County, MN
Scott County, MN
Washington County, MN
Wright County, MN
St. Croix County, WI
Mobile, AL MSA
Baldwin County, AL
Mobile County, AL
Modesto, CA MSA
Stanislaus County, CA
Monmouth-Ocean, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Monroe, LA MSA
Ouachita Parish, LA
Montgomery, AL MSA
Autauga County, AL
Elmore County, AL
Montgomery County, AL
Muncie, IN MSA
Delaware County, IN
Muskegon, MI MSA
Muskegon County, MI
Naples, FL MSA
Collier County, FL
Nashua, NH PMSA—see Boston-Lawrence-Salem, MA-NH CMSA
Nashville, TN MSA
Cheatham County, TN
Davidson County, TN
Dickson County, TN
Robertson County, TN
Rutherford County, TN
Sumner County, TN
Williamson County, TN
Wilson County, TN
Nassau-Suffolk, NY PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
New Bedford, MA MSA
Bristol County, MA (part)
Acushnet town, MA
Dartmouth town, MA
Fairhaven town, MA
Freetown town, MA
New Bedford city, MA
New Bedford, MA MSA—Con.
Plymouth County, MA (part)
Marion town, MA
Mattapoisett town, MA
Rochester town, MA
New Britain, CT PMSA—see Hartford-New Britain-Middletown, CT CMSA
New Haven-Meriden, CT MSA
Middlesex County, CT (part)
Clinton town, CT
Killingworth town, CT
New Haven County, CT (part)
Bethany town, CT
Branford town, CT
Cheshire town, CT
East Haven town, CT
Guilford town, CT
Hamden town, CT
Madison town, CT
Meriden city, CT
New Haven city, CT
North Branford town, CT
North Haven town, CT
Orange town, CT
Wallingford town, CT
West Haven city, CT
Woodbridge town, CT
New London-Norwich, CT-RI MSA
New London County, CT (part)
Bozrah town, CT
East Lyme town, CT
Franklin town, CT
Griswold town balance, CT
Groton city, CT
Groton town balance, CT
Jewett City borough, CT
Ledyard town, CT
Lisbon town, CT
Montville town, CT
New London city, CT
North Stonington town, CT
Norwich city, CT
Old Lyme town, CT
Preston town, CT
Salem town, CT
Sprague town, CT
Stonington town, CT
Waterford town, CT
Windham County, CT (part)
Canterbury town, CT
Washington County, RI (part)
Hopkinton town, RI
Westerly town, RI
New Orleans, LA MSA
Jefferson Parish, LA
Orleans Parish, LA
St. Bernard Parish, LA
St. Charles Parish, LA
St. John the Baptist Parish, LA
St. Tammany Parish, LA
New York, NY PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Bergen-Passaic, NJ PMSA
Bergen County, NJ
Passaic County, NJ
Bridgeport-Milford, CT PMSA
Fairfield County, CT (part)
Bridgeport city, CT
Easton town, CT
Fairfield town, CT
Monroe town, CT
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA—Con.
Bridgeport-Milford, CT PMSA—Con.
Fairfield County, CT (part)—Con.
Shelton city, CT
Stratford town, CT
Trumbull town, CT
New Haven County, CT (part)
Ansonia city, CT
Beacon Falls town, CT
Derby city, CT
Milford city, CT
Milford town balance, CT
Oxford town, CT
Seymour town, CT
Woodmont borough, CT
Danbury, CT PMSA
Fairfield County, CT (part)
Bethel town, CT
Brookfield town, CT
Danbury city, CT
New Fairfield town, CT
Newtown town, CT
Redding town, CT
Ridgefield town, CT
Sherman town, CT
Litchfield County, CT (part)
Bridgewater town, CT
New Milford town, CT
Jersey City, NJ PMSA
Hudson County, NJ
Middlesex-Somerset-Hunterdon, NJ PMSA
Hunterdon County, NJ
Middlesex County, NJ
Somerset County, NJ
Monmouth-Ocean, NJ PMSA
Monmouth County, NJ
Ocean County, NJ
Nassau-Suffolk, NY PMSA
Nassau County, NY
Suffolk County, NY
New York, NY PMSA
Bronx County, NY
Kings County, NY
New York County, NY
Putnam County, NY
Queens County, NY
Richmond County, NY
Rockland County, NY
Westchester County, NY
Newark, NJ PMSA
Essex County, NJ
Morris County, NJ
Sussex County, NJ
Union County, NJ
Norwalk, CT PMSA
Fairfield County, CT (part)
Norwalk city, CT
Weston town, CT
Westport town, CT
Wilton town, CT
Orange County, NY PMSA
Orange County, NY
Stamford, CT PMSA
Fairfield County, CT (part)
Darien town, CT
Greenwich town, CT
New Canaan town, CT
Stamford city, CT

Newark, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Niagara Falls, NY PMSA—see Buffalo-Niagara Falls, NY CMSA
Norfolk-Virginia Beach-Newport News, VA MSA
- Gloucester County, VA
- James City County, VA
- York County, VA
- Chesapeake city, VA
- Hampton city, VA
- Newport News city, VA
- Norfolk city, VA
- Poquoson city, VA
- Portsmouth city, VA
- Suffolk city, VA
- Virginia Beach city, VA
- Williamsburg city, VA

Norwalk, CT PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Oakland, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Ocala, FL MSA
- Marion County, FL

Odessa, TX MSA
- Ector County, TX

Oklahoma City, OK MSA
- Canadian County, OK
- Cleveland County, OK
- Logan County, OK
- McClain County, OK
- Oklahoma County, OK
- Pottawatomie County, OK

Olympia, WA MSA
- Thurston County, WA

Omaha, NE-IA MSA
- Pottawattamie County, IA
- Douglas County, NE
- Sarpy County, NE
- Washington County, NE

Orange County, NY PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Orlando, FL MSA
- Orange County, FL
- Osceola County, FL
- Seminole County, FL

Owensboro, KY MSA
- Daviess County, KY

Oxnard-Ventura, CA PMSA—see Los Angeles-Anaheim-Riverside, CA CMSA
Panama City, FL MSA
- Bay County, FL

Parkersburg-Marietta, WV-OH MSA
- Washington County, OH
- Wood County, WV

Pascagoula, MS MSA
- Jackson County, MS

Pawtucket-Woonsocket-Attleboro, RI-MA PMSA—see Providence-Pawtucket-Fall River, RI-MA CMSA
Pensacola, FL MSA
- Escambia County, FL
- Santa Rosa County, FL

Peoria, IL MSA
- Peoria County, IL
- Tazewell County, IL
- Woodford County, IL

Philadelphia, PA-NJ PMSA—see Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA
- Philadelphia, PA-NJ PMSA
  - Burlington County, NJ
  - Camden County, NJ
  - Gloucester County, NJ
  - Bucks County, PA
  - Chester County, PA
  - Delaware County, PA
  - Montgomery County, PA
  - Philadelphia County, PA
- Trenton, NJ PMSA
  - Mercer County, NJ
- Vineland-Millville-Bridgeton, NJ PMSA
  - Cumberland County, NJ
- Wilmington, DE-NJ-MD PMSA
  - New Castle County, DE
  - Cecil County, MD
  - Salem County, NJ

Phoenix, AZ MSA
- Maricopa County, AZ

Pine Bluff, AR MSA
- Jefferson County, AR

Pittsburgh, PA PMSA—see Pittsburgh-Beaver Valley, PA CMSA
Pittsburgh-Beaver Valley, PA CMSA
- Beaver County, PA PMSA
  - Beaver County, PA
- Pittsburgh, PA PMSA
  - Allegheny County, PA
  - Fayette County, PA
  - Washington County, PA
  - Westmoreland County, PA

Pittsfield, MA MSA
- Berkshire County, MA (part)
  - Cheshire town, MA
  - Dalton town, MA
  - Hinsdale town, MA
  - Lanesborough town, MA
  - Lee town, MA
  - Lenox town, MA
  - Pittsfield city, MA
  - Richmond town, MA
  - Stockbridge town, MA

Portland, ME MSA
- Cumberland County, ME (part)
  - Cape Elizabeth town, ME
  - Cumberland town, ME
  - Falmouth town, ME
  - Freeport town, ME
  - Gorham town, ME
  - Gray town, ME
  - North Yarmouth town, ME
  - Portland city, ME
  - Raymond town, ME
  - Scarborough town, ME
  - South Portland city, ME
  - Standish town, ME
  - Westbrook city, ME
  - Windham town, ME
  - Yarmouth town, ME
- York County, ME (part)
  - Buxton town, ME
  - Hollis town, ME
  - Old Orchard Beach town, ME

Portland, OR PMSA—see Portland-Vancouver, OR-WA CMSA
Portland-Vancouver, OR-WA CMSA
- Portland, OR PMSA
  - Clackamas County, OR
  - Multnomah County, OR
  - Washington County, OR
  - Yamhill County, OR
- Vancouver, WA PMSA
  - Clark County, WA

Portsmouth-Dover-Rochester, NH-ME MSA
- York County, ME (part)
  - Berwick town, ME
  - Eliot town, ME
  - Kittery town, ME
  - North Berwick town, ME
  - Ogunquit town, ME
  - South Berwick town, ME
  - Wells town, ME
  - York town, ME
- Rockingham County, NH (part)
  - Exeter town, NH
  - Greenland town, NH
  - Hampton town, NH
  - New Castle town, NH
  - Newfields town, NH
  - Newington town, NH
  - Newmarket town, NH
  - North Hampton town, NH
  - Portsmouth city, NH
  - Rye town, NH
  - Stratham town, NH
- Strafford County, NH (part)
  - Barrington town, NH
  - Dover city, NH
  - Durham town, NH
  - Farmington town, NH
  - Lee town, NH
  - Madbury town, NH
  - Milton town, NH
  - Rochester city, NH
  - Rollinsford town, NH
  - Somersworth city, NH

Poughkeepsie, NY MSA
- Dutchess County, NY

Providence, RI PMSA—see Providence-Pawtucket-Fall River, RI-MA CMSA
Providence-Pawtucket-Fall River, RI-MA CMSA
- Fall River, MA-RI PMSA
  - Bristol County, MA (part)
    - Fall River city, MA
    - Somerset town, MA
    - Swansea town, MA
    - Westport town, MA
  - Newport County, RI (part)
    - Little Compton town, RI
    - Tiverton town, RI
- Pawtucket-Woonsocket-Attleboro, RI-MA PMSA
  - Bristol County, MA (part)
    - Attleboro city, MA
    - North Attleborough town, MA
    - Rehoboth town, MA
    - Seekonk town, MA
  - Norfolk County, MA (part)
    - Plainville town, MA
  - Worcester County, MA (part)
    - Blackstone town, MA
    - Millville town, MA
  - Providence County, RI (part)
    - Burrillville town, RI
    - Central Falls city, RI
    - Cumberland town, RI
    - Lincoln town, RI

Providence-Pawtucket-Fall River, RI-MA CMSA—Con.
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA—Con.
Providence County, RI (part)—Con.
North Smithfield town, RI
Pawtucket city, RI
Smithfield town, RI
Woonsocket city, RI
Providence, RI PMSA
Bristol County, RI (part)
Barrington town, RI
Bristol town, RI
Warren town, RI
Kent County, RI (part)
Coventry town, RI
East Greenwich town, RI
Warwick city, RI
West Warwick town, RI
Newport County, RI (part)
Jamestown town, RI
Providence County, RI (part)
Cranston city, RI
East Providence city, RI
Foster town, RI
Glocester town, RI
Johnston town, RI
North Providence town, RI
Providence city, RI
Scituate town, RI
Washington County, RI (part)
Exeter town, RI
Narragansett town, RI
North Kingstown town, RI
Richmond town, RI
South Kingstown town, RI
Provo-Orem, UT MSA
Utah County, UT
Pueblo, CO MSA
Pueblo County, CO
Racine, WI PMSA—see Milwaukee-Racine, WI CMSA
Raleigh-Durham, NC MSA
Durham County, NC
Franklin County, NC
Orange County, NC
Wake County, NC
Rapid City, SD MSA
Pennington County, SD
Reading, PA MSA
Berks County, PA
Redding, CA MSA
Shasta County, CA
Reno, NV MSA
Washoe County, NV
Richland-Kennewick-Pasco, WA MSA
Benton County, WA
Franklin County, WA
Richmond-Petersburg, VA MSA
Charles City County, VA
Chesterfield County, VA
Dinwiddie County, VA
Goochland County, VA
Hanover County, VA
Henrico County, VA
New Kent County, VA
Powhatan County, VA
Prince George County, VA
Colonial Heights city, VA
Hopewell city, VA
Petersburg city, VA
Richmond city, VA
Riverside-San Bernardino, CA PMSA—see Los Angeles-Anaheim-Riverside, CA CMSA
Roanoke, VA MSA
Botetourt County, VA
Roanoke County, VA
Roanoke city, VA
Salem city, VA
Rochester, MN MSA
Olmsted County, MN
Rochester, NY MSA
Livingston County, NY
Monroe County, NY
Ontario County, NY
Orleans County, NY
Wayne County, NY
Rockford, IL MSA
Boone County, IL
Winnebago County, IL
Sacramento, CA MSA
El Dorado County, CA
Placer County, CA
Sacramento County, CA
Yolo County, CA
Saginaw-Bay City-Midland, MI MSA
Bay County, MI
Midland County, MI
Saginaw County, MI
St. Cloud, MN MSA
Benton County, MN
Sherburne County, MN
Stearns County, MN
St. Joseph, MO MSA
Buchanan County, MO
St. Louis, MO-IL MSA
Clinton County, IL
Jersey County, IL
Madison County, IL
Monroe County, IL
St. Clair County, IL
Franklin County, MO
Jefferson County, MO
St. Charles County, MO
St. Louis County, MO
St. Louis city, MO
Salem, OR MSA
Marion County, OR
Polk County, OR
Salem-Gloucester, MA PMSA—see Boston-Lawrence-Salem, MA-NH CMSA
Salinas-Seaside-Monterey, CA MSA
Monterey County, CA
Salt Lake City-Ogden, UT MSA
Davis County, UT
Salt Lake County, UT
Weber County, UT
San Angelo, TX MSA
Tom Green County, TX
San Antonio, TX MSA
Bexar County, TX
Comal County, TX
Guadalupe County, TX
San Diego, CA MSA
San Diego County, CA
San Francisco, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
San Francisco-Oakland-San Jose, CA CMSA
Oakland, CA PMSA
Alameda County, CA
Contra Costa County, CA
San Francisco-Oakland-San Jose, CA CMSA—Con.
San Francisco, CA PMSA
Marin County, CA
San Francisco County, CA
San Mateo County, CA
San Jose, CA PMSA
Santa Clara County, CA
Santa Cruz, CA PMSA
Santa Cruz County, CA
Santa Rosa-Petaluma, CA PMSA
Sonoma County, CA
Vallejo-Fairfield-Napa, CA PMSA
Napa County, CA
Solano County, CA
San Jose, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Santa Barbara-Santa Maria-Lompoc, CA MSA
Santa Barbara County, CA
Santa Cruz, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Santa Fe, NM MSA
Los Alamos County, NM
Santa Fe County, NM
Santa Rosa-Petaluma, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Sarasota, FL MSA
Sarasota County, FL
Savannah, GA MSA
Chatham County, GA
Effingham County, GA
Scranton–Wilkes-Barre, PA MSA
Columbia County, PA
Lackawanna County, PA
Luzerne County, PA
Monroe County, PA
Wyoming County, PA
Seattle, WA PMSA—see Seattle-Tacoma, WA CMSA
Seattle-Tacoma, WA CMSA
Seattle, WA PMSA
King County, WA
Snohomish County, WA
Tacoma, WA PMSA
Pierce County, WA
Sharon, PA MSA
Mercer County, PA
Sheboygan, WI MSA
Sheboygan County, WI
Sherman-Denison, TX MSA
Grayson County, TX
Shreveport, LA MSA
Bossier Parish, LA
Caddo Parish, LA
Sioux City, IA-NE MSA
Woodbury County, IA
Dakota County, NE
Sioux Falls, SD MSA
Minnehaha County, SD
South Bend-Mishawaka, IN MSA
St. Joseph County, IN
Spokane, WA MSA
Spokane County, WA
Springfield, IL MSA
Menard County, IL
Sangamon County, IL
Springfield, MO MSA
Christian County, MO
Greene County, MO

Springfield, MA MSA
Hampden County, MA (part)
Agawam town, MA
Chicopee city, MA
East Longmeadow town, MA
Hampden town, MA
Holyoke city, MA
Longmeadow town, MA
Ludlow town, MA
Monson town, MA
Montgomery town, MA
Palmer town, MA
Russell town, MA
Southwick town, MA
Springfield city, MA
Westfield city, MA
West Springfield town, MA
Wilbraham town, MA
Hampshire County, MA (part)
Belchertown town, MA
Easthampton town, MA
Granby town, MA
Huntington town, MA
Northampton city, MA
Southampton town, MA
South Hadley town, MA
Stamford, CT PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
State College, PA MSA
Centre County, PA
Steubenville-Weirton, OH-WV MSA
Jefferson County, OH
Brooke County, WV
Hancock County, WV
Stockton, CA MSA
San Joaquin County, CA
Syracuse, NY MSA
Madison County, NY
Onondaga County, NY
Oswego County, NY
Tacoma, WA PMSA—see Seattle-Tacoma, WA CMSA
Tallahassee, FL MSA
Gadsden County, FL
Leon County, FL
Tampa-St. Petersburg-Clearwater, FL MSA
Hernando County, FL
Hillsborough County, FL
Pasco County, FL
Pinellas County, FL
Terre Haute, IN MSA
Clay County, IN
Vigo County, IN
Texarkana, TX-Texarkana, AR MSA
Miller County, AR
Bowie County, TX
Toledo, OH MSA
Fulton County, OH
Lucas County, OH
Wood County, OH
Topeka, KS MSA
Shawnee County, KS
Trenton, NJ PMSA—see Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA
Tucson, AZ MSA
Pima County, AZ
Tulsa, OK MSA
Creek County, OK
Osage County, OK
Rogers County, OK
Tulsa County, OK
Wagoner County, OK
Tuscaloosa, AL MSA
Tuscaloosa County, AL
Tyler, TX MSA
Smith County, TX
Utica-Rome, NY MSA
Herkimer County, NY
Oneida County, NY
Vallejo-Fairfield-Napa, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Vancouver, WA PMSA—see Portland-Vancouver, OR-WA CMSA
Victoria, TX MSA
Victoria County, TX
Vineland-Millville-Bridgeton, NJ PMSA—see Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA
Visalia-Tulare-Porterville, CA MSA
Tulare County, CA
Waco, TX MSA
McLennan County, TX
Washington, DC-MD-VA MSA
District of Columbia, DC
Calvert County, MD
Charles County, MD
Frederick County, MD
Montgomery County, MD
Prince George's County, MD
Arlington County, VA
Fairfax County, VA
Loudoun County, VA
Prince William County, VA
Stafford County, VA
Alexandria city, VA
Fairfax city, VA
Falls Church city, VA
Manassas city, VA
Manassas Park city, VA
Waterbury, CT MSA
Litchfield County, CT (part)
Bethlehem town, CT
Thomaston town, CT
Watertown town, CT
Woodbury town, CT
New Haven County, CT (part)
Middlebury town, CT
Naugatuck borough, CT
Prospect town, CT
Southbury town, CT
Waterbury city, CT
Wolcott town, CT
Waterloo-Cedar Falls, IA MSA
Black Hawk County, IA
Bremer County, IA
Wausau, WI MSA
Marathon County, WI
West Palm Beach-Boca Raton-Delray Beach, FL MSA
Palm Beach County, FL
Wheeling, WV-OH MSA
Belmont County, OH
Marshall County, WV
Ohio County, WV
Wichita, KS MSA
Butler County, KS
Harvey County, KS
Sedgwick County, KS
Wichita Falls, TX MSA
Wichita County, TX
Williamsport, PA MSA
Lycoming County, PA
Wilmington, DE-NJ-MD PMSA—see Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA
Wilmington, NC MSA
New Hanover County, NC
Worcester, MA MSA
Worcester County, MA (part)
Auburn town, MA
Barre town, MA
Boylston town, MA
Brookfield town, MA
Charlton town, MA
Clinton town, MA
Douglas town, MA
Dudley town, MA
East Brookfield town, MA
Grafton town, MA
Holden town, MA
Leicester town, MA
Millbury town, MA
Northborough town, MA
Northbridge town, MA
North Brookfield town, MA
Oxford town, MA
Paxton town, MA
Princeton town, MA
Rutland town, MA
Shrewsbury town, MA
Spencer town, MA
Sterling town, MA
Sutton town, MA
Uxbridge town, MA
Webster town, MA
Westborough town, MA
West Boylston town, MA
Worcester city, MA
Yakima, WA MSA
Yakima County, WA
York, PA MSA
Adams County, PA
York County, PA
Youngstown-Warren, OH MSA
Mahoning County, OH
Trumbull County, OH
Yuba City, CA MSA
Sutter County, CA
Yuba County, CA

PUBLICATION PROGRAM

1987 CENSUS OF CONSTRUCTION INDUSTRIES

The Census of Construction Industries is taken once every 5 years. The census covers all establishments engaged in construction, including:

- Building contractors
- Heavy construction contractors
- Special trade contractors (including plumbers, carpenters, painters, electricians)
- Land developers and subdividers

Data products in the Census of Construction Industries are issued in 4 publication series and in 3 other media:

- Printed reports [P]
- CD-ROM [C]
- Computer tape [T]
- Highlights online [+]

Preliminary Industry Series (CC87-I-1(P) through CC87-I-28(P))

(Available November 1988 through May 1989) [P]

Twenty-seven separate industry reports and a United States summary report, providing national statistics for establishments with payroll. Statistics shown for 1987 include:

- Number of establishments
- Number of employees
- Payroll
- Hours worked
- Value of construction work done, by type of structure
- Selected operating costs

Final Industry Series (CC87-I-1 through CC87-I-28)

(Available June 1989 through November 1989) [P] [C] [T] [+]

Twenty-seven separate industry reports and a United States summary report, providing statistics for the Nation and individual States on establishments with payroll. These reports update figures from the preliminary industry series (employment, payroll, value of construction, etc.) and provide measures of the following:

- Capital expenditures
- Inventories
- Industry profiles
- Assets
- Depreciation
- And much more

Geographic Area Series (CC87-A-1 through CC87-A-10)

(Available January 1990 through March 1990) [P] [C] [T] [+]

Nine reports on the construction industries, representing each census geographic division, and a United States summary report. Regional reports provide detailed data for States and metropolitan statistical areas.

Subject Report—Legal Form of Organization and Type of Operation (CC87-S-1)

(Available May 1990) [P]

One report providing selected national statistics for each industry by legal form of organization and type of operation. This report includes data for establishments with and without payroll. Data in this report include—

- Employment
- Payroll
- Value of construction work done
- Selected operating costs

OTHER ECONOMIC CENSUSES REPORTS

The Census of Construction Industries is part of the 1987 Economic Censuses. These are conducted at five-year intervals in years ending in 2 and 7 and consist of seven separate censuses:

- Census of Retail Trade
- Census of Wholesale Trade
- Census of Service Industries
- Census of Transportation
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction

...plus several related programs: enterprise statistics; information on minority-owned and women-owned businesses; and the Census of Outlying Areas, including separate economic censuses of Puerto Rico and other outlying areas. The Census of Agriculture and Census of Governments are conducted separately.

HOW TO ORDER DATA PRODUCTS

Order forms for the specific reports and other data products may be obtained from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, DC 20233. If you have any questions, call Census Customer Services 1-(301)-763-4100.

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